TRANSISTOR SPECIFICATIONS MANUAL

6th EDITION

by
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PREFACE

In the time since the first transistors were made available, the total number of types has increased tremendously. Many of these transistors are no longer on the market; many were produced with no type numbers and others by manufacturers no longer producing transistors. When these types are encountered in older equipment, it is usually difficult, if not impossible, to locate transistor specifications. There is one redeeming factor in all of this confusion: in most cases a transistor can be chosen to replace one of these obsolete types by estimating voltage, current, wattage, and frequency response and then selecting a transistor from the types available.

This manual contains three principal sections designed to provide a maximum of information about the transistor: a specifications section, a lead identification section, and an outlines section. The specifications section is composed of the electrical data that will be required for most applications. These are voltage, power, current, and temperature limits that should not be exceeded, as well as polarity, leakage, gain, and frequency parameters that determine how the transistor will function in the circuit. The manufacturers of the transistor are listed to provide a market-source for the units and to act as a guide to obtain further information. Reference numbers are supplied in this section to key the transistor type to the associated Lead and Terminal Identification section and to the Transistor Outlines section.

This edition has a special listing of specifications for rf power transistors. In addition to other information, the design parameters for rf operation are given: G_{pe}, P_{OUT}, frequency, V_{CC}, and efficiency. Type numbers are included in the main specifications section with a note referring you to this special section. A Key to Manufacturers is provided following this special listing as well as the main specifications listing.

The Lead and Terminal Identification section supplies the physical arrangement of the leads and identifies each as to whether it is collector, emitter, or base. The outlines section contains drawings of the physical shape and includes all pertinent physical dimensions. This section is of considerable help in determining whether a transistor will fit into a desired physical area.

An interesting aspect of transistors is the wide range of physical sizes. Transistor sizes range from pinhead to golf-ball dimensions, and the wattage and current ratings do not always reflect this size. For example, there are transistors in TO-46 cases (0.23 inch in diameter, 0.09 inch high) that are rated at 5 watts. This, of course, assumes that the temperature of the case will be maintained at 25°C by means of a suitable heat sink. Among the types with higher ratings (up to 150 watts) are those in TO-82 cases (1.28 inches in diameter by 0.55 inch high).

For additional information about a particular section of this manual, refer to the introduction at the beginning of each section. Page numbers are listed on the Contents page.

In this specifications manual we have attempted to supply the essential electrical and physical data needed by anyone working with transistors.

CONTENTS

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}	Gain h_{FE} @ I_C(A)
					V_{CB}	V_{CE}-	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.				

+ See Below

- = Obsolete

N = NPN P = PNP
G = Germanium
S = Silicon

Numbers = Lead and Terminal Identification Page 153

If no JEDEC is shown, dimensions are found in Transistor Outlines Page 138, using numbers plus the letter.

TO numbers refer to Registered Transistor Outlines Page 98.

Key to Manufacturers Page 160
M.P.-2N224 = a matched pair of 2N224's
SEE 2N = Cross reference from an obsolete type to one with equal or higher specifications

Typical value of current gain for common emitter configuration at current shown.

Current between collector and base with the emitter open, at voltage shown.

MA = milliamperes
UA = microamperes
NA = nanoamperes

Frequency in megahertz. Transistor will operate at this frequency or higher.

Conditions:

B = f_{ab} (common base cutoff frequency)
E = f_{ae} (common emitter cutoff frequency)
G = f_t (gain-bandwidth product)
F = f_{osc} (maximum frequency of oscillation)

Abbreviations when type of service is indicated:

AM IF = IF Amplifier in AM Radio
AUD = Audio
CON = Converter
FM IF = IF Amplifier in FM Radio
HF = High Frequency
HOR AMP = Horizontal Amplifier
HS = High Speed
LS = Low to Medium Speed
MS = Medium Speed
RF AMP = RF Amplifier
SW = Switch
UHF OSC = UHF Oscillator
VID = Video
VID AMP = Video Amplifier

Maximum operating temperature (°C)
Conditions:
A = Ambient
C = Case
J = Junction

Maximum voltages that cannot be exceeded without permanent damage to the transistor.

V_{CB} = Collector-to-base voltage with emitter open

V_{CE} = Collector-to-emitter voltage (base open, if no subscript indicated)

R = Resistor between emitter and base
S = Short between emitter and base
X = B-E junction forward biased

V_{EB} = Emitter-to-base reverse voltage with collector open

Maximum power that can be dissipated at 25° C ambient for low-power types (A) 25° case temperature for high-power types (C), or at elevated case temperature (H).

Maximum continuous collector current.

+ Type with same number but slightly different specifications (usually case style).

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
-	2A	PG 1 A		CLE	50		50.0	.008	.120	A	50A		AUD		2MA 40	3
	2B	SEE 2N52														
-	2C	PG 1 A		CLE	50		50.0	.008	.120	A	50A		2.000	B	1MA 15	3
-	2D	PG 1 A		CLE	50		50.0	.008	.120	A	50A		2.000	B	1MA 40	3
-	2E	PG 1 A		CLE	50		50.0	.008	.120	A	50A		AUD		1MA 40	3
-	2F	PG 1 A		CLE	50		50.0	.008	.120	A	50A		5.000	B	1MA 15	3
-	2G	PG 1 A		CLE	50		50.0	.008	.120	A	50A		10.000	B	1MA 15	3
	2N34	PG 210	5	ETC	40	25R		.100	.150	A	75J		.500	B	50UA 40	56 .001
-	2N34+	PG 10	22	RCA	40	25		.100	.150	A	75J		.400	G	50UA 40	75
	2N34A	PG 210	5	ETC	40	25R		.100	.150	A	75J		.600	B	100UA 40	66 .001
	2N35	NG 210	5	ETC	40	25R		.100	.150	A	85J		1.000	B	50UA 40	56 .001
-	2N35+	NG 10	22	SYL	40	25R	10.0	.100	.180	A	85J		.200	G	50UA 40	70
	2N36	PG 210	5	ETC	20	20		.008	.050	A	75J		AUD		10UA 20	50 .001
-	2N36+	PG 10 E		CBS	20			.008	.050	A	50A		AUD			44
	2N37	PG 210	5	ETC	20	20		.008	.050	A	75J		AUD		10UA 20	30
	2N38	PG 210	5	ETC	20	20		.008	.050	A	50J		AUD		10UA 20	20 .001
-	2N38+	PG 10 E		CBS	20			.008	.050	A	50A		AUD			16
	2N43	PG 210	5	ETC	45	30R	5.0	.300	.240	A	85J		1.300	B	16UA 45	40 .020
	2N43+	PG 57 B		GEC	45	30	5.0	.300	.500	A	85J		.500	G	16UA 45	44
	2N43A	PG 210	5	ETC	45	30R	5.0	.300	.240	A	85J		1.300	B	16UA 45	40 .020
	2N43A+	PG 57 B		GEC	45	30R	5.0	.300	.240	A	85J		1.300	B	16UA 45	40 .020
	2N44	PG 210	5	ETC	45	30R	5.0	.300	.240	A	85J		1.000	B	16UA 45	30 .020
	2N44+	PG 57 B		GEC	45	30	5.0	.300	.150	A	85J		.500	B	16UA 45	30
	2N44A	PG 210	5	ETC	45	30R	5.0	.300	.240	A	85J		1.000	B	15UA 45	30 .020
	2N45	PG 210	5	ETC	45	30	5.0	.010	.150	A	85J		1.000	B	15UA 45	16 .001
-	2N45+	PG 57 B		GEC	45			.050	.150	A	100J		.500	B	15UA 15	15
	2N45A	PG 210	5	ETC	45		5.0	.010	.150	A	85J		1.000	B	15UA 45	22 .001
-	2N52	PG 1 A		CLE	50		50.0	.008	.120	A	50A		2.000	B	2MA 40	3
	2N59	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J		.900	B	15UA 20	90
	2N59A	PG 210	5	ETC	40	20	10.0	.200	.180	A	85J		1.800	B	15UA 20	90
	2N59B	PG 210	5	ETC	50	20	10.0	.200	.180	A	85J		1.800	B	15UA 20	90
	2N59C	PG 210	5	ETC	60	20	10.0	.200	.180	A	85J		1.800	B	15UA 20	90
	2N60	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J		1.500	B	15UA 20	70
	2N60A	PG 210	5	ETC	40	20	10.0	.200	.180	A	85J		1.500	B	15UA 20	70
	2N60B	PG 210	5	ETC	50	20	10.0	.200	.180	A	85J		1.500	B	15UA 20	70
	2N60C	PG 210	5	ETC	60	20	10.0	.200	.180	A	85J		1.500	B	15UA 20	70
	2N61	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J		1.000	B	15UA 20	50
	2N61A	PG 210	5	ETC	40	20	10.0	.200	.180	A	85J		1.000	B	15UA 20	50
	2N61B	PG 210	5	ETC	50	20	10.0	.200	.180	A	85J		1.000	B	15UA 20	50
	2N61C	PG 210	5	ETC	60	20	10.0	.200	.180	A	85J		1.000	B	15UA 20	50
	2N63	PG 210	5	ETC	25		6.0	.020	.125	A	85J		.500	B	6UA 6	22 .001
-	2N63+	PG 10 A		RAY	22			.010	.100	A	85A		.600	B	6UA 6	22
	2N64	PG 210	5	ETC	25		6.0	.020	.125	A	85J		.700	B	6UA 6	50 .001
-	2N64+	PG 10 A		RAY	15			.010	.100	A	85A		.800	B	6UA 6	44
	2N65	PG 210	5	ETC	25		6.0	.020	.125	A	85J		1.200	B	6UA 6	90 .001
-	2N65+	PG 10 A		RAY	12			.010	.100	A	85A		1.200	B	6UA 6	90
-	2N68	PG 148 A		SYL	30	15		1.500	4.000	C	75J				5MA 15	40
	2N68/13	PG 430	13	KSC	30	15		3.000	20.000	C	100J		.010	E		22 .500
-	2N76	PG 57 B		GEC	20			.010	.070	A	60J		.500	B	10UA 5	30
	2N77	PG 210	5	ETC	30		6.0	.035	.085		85J		.350	B	10UA 12	60
	2N78	NG 210	5	ETC	15	15	5.0	.020	.065	A	85J		5.000	B	3UA 15	90 .001
	2N78+	NG 12 A		GEC	15	15	5.0	.020	.065	A	85J		5.000	B	3UA 15	90
	2N78A	NG 210	5	ETC	20	20	5.0	.020	.065	A	85J		5.000	B	3UA 15	90 .001
	2N78A+	NG 12 B		GEC	20	20	5.0	.020	.065	A	85J		5.000	B	3UA 15	90
	2N83	PG 117 A		TEC	66	60	12.0	2.000	10.000	C	85J		.350	B	100UA 25	18
	2N83A	PG 117 A		TEC	66	60	12.0	3.000	10.000	C	85J		.400	B	85UA 25	18
	2N84	PG 117 A		TEC	50	45	12.0	2.000	10.000	C	85J		.400	B	110UA 25	20
	2N84A	PG 117 A		TEC	50	45	12.0	3.000	10.000	C	85J		.400	B	95UA 25	20
	2N94	NG 210	5	ETC	20	20R	5.0	.100	.150	A	75J		2.000	B	10UA 20	10 .001
-	2N94+	NG 10	22	SYL	20	20R	5.0	.100	.150	A	85J		2.000	B		50
	2N94A	NG 210	5	ETC	20	20R	5.0	.100	.150	A	75J		5.000	B	3UA 10	38 .001
-	2N94A+	NG 10	22	SYL	20	20R	5.0	.100	.150	A	85J		5.000	B		50
-	2N95	NG 148 A		SYL	30	15		1.500	4.000	C	75J				5MA 15	40
	2N97	NG 210	5	ETC	30	30	2.5	.010	.050	A	75J		.500	B	10UA 5	14
	2N98	NG 210	5	ETC	40	20	2.5	.010	.050	A	75J		.800	B	10UA 5	40
	2N99	NG 210	5	ETC	40	20	5.5	.010	.050	A	75J		2.000	B	10UA 5	40
-	2N101	PG 148 B		SYL	30	15		1.500	4.000	C	75J				5MA 15	40
	2N101/13	PG 430	13	KSC	30	30		3.000	20.000	C	100J		.010	E		15 .500
-	2N102	NG 148 B		SYL	30	15		1.500	4.000	C	75J				5MA 15	40
	2N102/13	NG 430	13	KSC	30	30		1.500	12.500	C	100J					16 .500
	2N103	NG 210	5	ETC	35	35	2.5	.010	.050	A	75J		.750	B	50UA 35	10
	2N104	PG 210	5	ETC	30		12.0	.050	.150	A	85J		.350	B	10UA 12	44
-	2N104+	PG 55	40	RCA	30		12.0	.050	.150	A	70A		.700	B	10UA 12	44
	2N105	PG 210	5	ETC	25			.050	.060	A	85J		.400	B	7UA 12	55
	2N106	PG 210	5	ETC	10	6	2.0	.010	.100	A	85J		1.000	B	12UA 6	38 .001
-	2N106+	PG 10 A		RAY	6			.010	.100	A	85A		.800	B	12UA 2	26
	2N107	PG 210	5	ETC	12	6	2.0	.010	.050	A	60J		.300	B	10UA 12	30
	2N108	PG 210	5	ETC	20	20		.015	.050	A	60J		AUD		10UA 20	80
	2N109	PG 210	5	ETC, RCA	25	25	12.0	.070	.150	A	85J		AUD		14UA 25	80 .050
	2N109+	PG 55	40	RCA	25	25	12.0	.070	.150	A	50A		.400	B	10UA 25	74
	2N111	PG 210	5	ETC	15	6		.020	.100	A	85J		1.500	B	5UA 6	30
-	2N111+	PG 10 A		RAY	30	15	20.0	.200	.150	A	85J		3.000	B	5UA 12	26
	2N111A	PG 210	5	ETC	30	15	20.0	.200	.150	A	85J		3.000	B	5UA 12	30
-	2N111B	PG 210	5	ETC	27		10.0	.005	.030	A	85J		20.000	B	10UA 12	
	2N112	PG 210	5	ETC	15	6		.020	.100	A	85J		3.000	B	5UA 6	30
-	2N112+	PG 10 A		RAY	30	15	20.0	.200	.150	A	85J		5.000	B	5UA 12	30
	2N112A	PG 210	5	ETC	30	15	20.0	.200	.150	A	85J		3.000	B	5UA 12	30
	2N113	PG 210	5	ETC	15	6		.020	.100	A	85J		10.000	B	5UA 6	50
-	2N113+	PG 10 A		RAY	30	10	20.0	.200	.150	A	85J		10.000	B	5UA 12	44
	2N114	PG 210	5	ETC	15	6		.020	.100	A	85J		20.000	B	5UA 6	70
-	2N114+	PG 10 A		RAY	30	10	20.0	.200	.150	A	85J		20.000	B	5UA 12	74
	2N117	NS 210	5	ETC	30		1.0	.025	.150	A	175J		1.000	B	10UA 30	14
	2N117+	NS 12 C		TII, TEC, HUG	45		1.0	.025	.150	A	175J		4.000	B	2UA 30	15
	2N118	NS 210	5	ETC	30		1.0	.025	.150	A	175J		2.000	B	10UA 30	28
	2N118+	NS 12 C		TII, TEC, HUG	45		1.0	.025	.150	A	175J		5.000	B	2UA 30	30
	2N118A	NS 210	5	ETC	30		1.0	.025	.150	A	175J		8.000	B	10UA 30	42
	2N118A+	NS 12 C		TII, TEC, HUG	45		1.0	.025	.150	A	175J		8.000	B	2UA 30	56
	2N119	NS 210	5	ETC	30		1.0	.025	.150	A	175J		1.000	B	10UA 30	60
	2N119+	NS 12 C		TII, TEC, HUG	45		1.0	.025	.150	A	175J		6.000	B	2UA 30	60
	2N120	NS 210	5	ETC	30		1.0	.025	.150	A	175J		1.000	B	10UA 30	160
	2N120+	NS 12 C		TII, TEC, HUG	45		1.0	.025	.150	A	175J		.700	B	2UA 30	10
	2N122	NS 743 A		TII	120		1.0	.140	8.750	C	150J		AUD		100UA 120	20
	2N123	PG 210	5	ETC	20	15	10.0	.125	.125	A	85J		5.000	B	6UA 20	90 .010
-	2N123/5	PG 210	5	SYL	20	15	10.0	.125	.150	A	85J		5.000	B	6UA 20	90
-	2N123+	PG 57 B		GEC	20	15	10.0	.125	.150	A	85J		5.000	B	6UA 20	90
	2N123A	PG 210	5	ETC	20	15	10.0	.125	.150	A	85J		5.000	B	6UA 20	90
	2N124	NG 210	5	ETC	10	10	5.0	.025	.050	A	75J		3.000	B	2UA 5	18
-	2N124+	NG 10 B		TII	10		5.0	.008	.050	A	75J		3.000	B	2UA 5	18
	2N125	NG 210	5	ETC	10	10	5.0	.025	.050	A	175J		5.000	B	10UA 40	36 .005
-	2N125+	NG 10 B		TII	10		5.0	.008	.050	A	75J		5.000	B	2UA 5	36
	2N126	NG 210	5	ETC	10	10	5.0	.025	.050	A	175J		5.000	B	10UA 40	73 .005
-	2N126+	NG 10 B		TII	10		5.0	.008	.050	A	75J		5.000	B	2UA 5	70
	2N128	PG 116	24	SPR, HUG	10	4	10.0	.005	.025	A	85J		28.000	G	15UA 10	40
-	2N129	PG 105	24	PHL	10	4	10.0	.005	.030	A	85J		30.000	F	3UA 5	14
	2N130	PG 210	5	ETC	25	22	12.0	.010	.085	A	85J		.700	B	12UA 15	24
-	2N130+	PG 5 A		RAY	44			.010	.084	A	85J		.600	B	6UA 6	22
	2N130A	PG 210	5	ETC	25	22	12.0	.100	.100	A	85J		.700	B	15UA 20	30
	2N131	PG 210	5	ETC	25	15	12.0	.010	.085	A	85J		.800	B	12UA 15	50
-	2N131+	PG 5 A		RAY	30			.010	.084	A	85J		.800	B	6UA 6	44
	2N131A	PG 210	5	ETC	25	15	12.0	.100	.100	A	85J		.800	B	15UA 20	50
	2N132	PG 210	5	ETC	25	12	12.0	.010	.085	A	85J		1.000	B	12UA 15	90
-	2N132+	PG 5 A		RAY	24			.010	.084	A	85J		1.000	B	6UA 6	90
	2N132A	PG 210	5	ETC	25	12	12.0	.100	.100	A	85J		1.000	B	15UA 20	90
	2N133	PG 210	5	ETC	25	15	12.0	.010	.085	A	85J		.800	B	12UA 15	50
-	2N133+	PG 5 A		RAY	30			.010	.084	A	85J		.800	B	12UA 2	24
	2N133A	PG 210	5	ETC	25	15	12.0	.100	.100	A	85J		.800	B	15UA 20	50
	2N135	PG 210	5	ETC	20	20R		.050	.100	A	85J		3.000	B	5UA 6	20
-	2N135+	PG 57 B		GEC	20	12		.050	.100	A	85J		3.000	B	5UA 6	20
	2N136	PG 210	5	ETC	20	20R		.050	.100	A	85J		5.000	B	5UA 6	40

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cont.	Temp. (°C)	Cont.			h_{FE} @ I_C(A)	
-	2N136+	PG 57 B		GEC	20	12		.050	.100	A	85J		5.000	B	5UA 6	40
	2N137	PG 210	5	ETC	10	10R		.050	.100	A	85J		7.000	B	5UA 6	45
-	2N137+	PG 57 B		GEC	10	6		.050	.100	A	85J		7.000	B	5UA 6	60
	2N138	PG 210	5	ETC	24	12	5.0	.020	.050	A	50J		AUD		16UA 16	140
-	2N138A	PG 5 A		RAY	12	6		.100	.150	A	85J		1.400	B	6UA 12	40
	2N139	PG 210	5	ETC	16	16	12.0	.015	.035	A	85J		4.500	B	6UA 12	48
-	2N139+	PG 55	40	RCA	16		12.0	.025	.035	A	70A		4.500	B		60
	2N140	PG 210	5	ETC	16	16	.5	.015	.080	A	85J		8.000	B	6UA 12	80
	2N140+	PG 55	40	RCA	16		12.0	.015	.035	A	70A		7.000	B		60
-	2N141	PG 148 A		SYL	60	60	30.0	.800	4.000	C	75C		10.000	B	5MA 30	30
	2N141/13	PG 430	13	KSC	60	60		3.000	20.000	C	100J		.008	E		37 .500
-	2N142	NG 148 A		SYL	60	60	30.0	.800	4.000	C	75C		.400	B	5MA 30	30
	2N142/13	NG 430	13	KSC	60	60		1.000	12.500	C	100J					16 .250
-	2N143	PG 148 B		SYL	60	60	30.0	.800	4.000	C	75C		.400	B	5MA 30	30
	2N143/13	PG 430	13	KSC	60	30		3.000	20.000	C	100J		.008	E		15 .250
-	2N144	NG 148 B		SYL	60	60	30.0	.800	4.000	C	75C		.400	B	5MA 30	30
	2N144/13	NG 430	13	KSC	60	60		1.000	12.500	C	100J					16 .250
	2N145	NG 210	5	ETC	20	15	.5	.025	.065	A	75J		8.000	B	3UA 9	60
-	2N145+	NG 10 B		TII	20			.005	.065	A	75J		AM IF		3UA 9	
	2N146	NG 210	5	ETC	20	15	.5	.025	.065	A	75J		12.000	B	3UA 9	140
-	2N146+	NG 10 B		TII	20			.005	.065	A	75J		AM IF		3UA 9	
	2N147	NG 210	5	ETC	20	15	.5	.025	.065	A	75J		15.000	B	3UA 9	200
-	2N147+	NG 10 B		TII	20			.005	.065	A	75J		AM IF		3UA 9	
-	2N148	NG 10 B		TII	16			.005	.065	A	75J		AM IF		3UA 12	
-	2N148A	NG 10 B		TII	32			.005	.065	A	75J		AM IF		3UA 12	
-	2N149	NG 10 B		TII	16			.005	.065	A	75J		AM IF		3UA 12	
-	2N149A	NG 10 B		TII	32			.005	.065	A	75J		AM IF		3UA 12	
-	2N150	NG 10 B		TII	16			.005	.065	A	75J		AM IF		3UA 12	
-	2N150A	NG 10 B		TII	32			.005	.065	A	75J		AM IF		3UA 12	
	2N155	PG 605	3	SOL,HUG,KSC	30	30S	15.0	3.000	50.000	C	100J		.006	E	10MA 30	48 .500
	2N156	PG 426	13	HUG,KSC	30	30	15.0	3.000	20.000	C	85J		.200	G	10MA 30	50
-	2N157	PG 605	3	CBS	60		30.0	3.000	20.000	C	85J		.100	B	1MA 60	20
-	2N157A	PG 605	3	CBS	90		30.0	3.000	20.000	C	85J		.100	B	1MA 90	20
	2N158	PG 426	13	HUG,KSC	60	60	30.0	3.000	20.000	C	85J		.004	E	10MA 60	40
	2N158A	PG 426	13	HUG	80	60	30.0	3.000	20.000	C	85J		.004	E	10MA 80	40
	2N160	NS 10	22	ETC	40		1.0	.025	.150	A	175J		4.000	B	10UA 40	14 .001
	2N160A	NS 10	22	ETC	40		5.0	.025	.150	A	175J		4.000	B	10UA 40	14
	2N161	NS 10	22	ETC	40		1.0	.025	.150	A	175J		5.000	B	10UA 40	28 .001
	2N161A	NS 10	22	ETC	40		5.0	.025	.150	A	175J		5.000	B	10UA 40	28 .001
	2N162	NS 10	22	ETC	40		1.0	.025	.150	A	175J		8.000	B	10UA 40	50 .001
	2N162A	NS 10	22	ETC	40		5.0	.025	.150	A	175J		8.000	B	10UA 40	50 .001
	2N163	NS 10	22	ETC	40		1.0	.025	.150	A	175J		6.006	B	10UA 40	50 .001
	2N163A	NS 10	22	ETC	40		5.0	.025	.150	A	175J		3.000	B	10UA 40	50 .001
	2N164	NG 210	5	ETC	15	15	1.0	.030	.065	A	85J		4.000	B	5UA 15	45
	2N164A	NG 210	5	ETC	15	15	1.0	.030	.100	A	85J		4.000	G	5UA 15	45
	2N165	NG 210	5	ETC	15	15	1.0	.020	.065	A	85C		5.000	B	5UA 15	70
	2N166	NG 210	5	ETC	10	6	1.0	.030	.055	A	50J		2.000	B	2UA 15	32
	2N167	NG 12 A		GEC	30	30	5.0	.075	.075	A	85A		5.000	B	2UA 15	50
	2N167A	NG 12 A		GEC	30	30	5.0	.075	.075	A	85A		5.000	B	2UA 15	50
	2N168	NG 210	5	ETC	15	15R		.020	.065	A	85J		5.000	B	5UA 15	90 .001
-	2N168+	NG 12 B		GEC	15	15		.020	.055	A	75A		6.000	B	5UA 15	20
	2N168A	NG 210	5	ETC	15	15R		.020	.065	A	85J		5.000	B	5UA 15	90 .001
-	2N168A+	NG 12 B		GEC	15	15		.020	.065	A	85A		5.000	B	5UA 15	40
	2N169	NG 210	5	ETC	15	15R	5.0	.020	.065	A	85J		8.000	B	5UA 15	48 .001
	2N169+	NG 12 B		GEC	15	15		.020	.055	A	75A		4.000	B	5UA 15	40
	2N169A	NG 210	5	ETC	25	25R	5.0	.020	.065	A	85J		9.000	B	5UA 15	84 .001
	2N169A+	NG 12 A		GEC	25	25	5.0	.025	.075	A	85A		9.000	B	5UA 15	50
	2N170	NG 210	5	ETC	10	9R		.020	.025	A	85J		4.000	B	3UA 5	30
	2N172	NG 210	5	ETC	16	15R	1.0	.025	.075	A	75J		3.000	B	3UA 9	40
-	2N172+	NG 10 B		TII	16			.005	.065	A	75J		AM CON		3UA 9	
	2N173	PG 405	36	RCA,DEL,MOT,ETC,SOL,HUG	60	50	40.0	15.000	150.000	C	100C		.010	E	100UA 2	40
	2N174	PG 405	36	DEL,MOT,ETC,SOL,HUG	80	55	60.0	15.000	150.000	C	100C		.010	E	100UA 2	36
	2N174A	PG 405	36	ETC,DEL	80	70S	60.0	15.000	170.000	C	100J		.100	B	4MA 80	60 1.200
	2N175	PG 210	5	ETC	25		12.0	.002	.050	A	85J		.850	B	12UA 25	65
-	2N175+	PG 55	40	RCA	10	10		.002	.020	A	50A		.850	B	12UA 25	64
	2N176	PG 605	3	MOT,RCA,SOL,ETC,HUG,KSC	40	30S		3.000	10.000	C	90J		.005	E	3MA 30	64
	2N178	PG 605	3	MOT,ETC,KSC	40	30S		3.000	10.000	C	90J		.005	E	3MA 30	30
	2N180	PG 210	5	ETC	30	30		.025	.150	A	75J		.700	B	10UA 30	60
-	2N180+	PG 35 C		CBS	30		30.0		.150	A	75J		.700	B	10UA 30	60
	2N181	PG 210	5	ETC	30	30		.038	.250	A	75J		.700	B	16UA 25	60
-	2N181+	PG 35 D		CBS	30		30.0		.250	A	75J		.700	B	10UA 30	60
	2N182	NG 210	5	ETC	25		15.0	.010	.100	A	85J		10.000	B	3UA 10	30
-	2N182+	NG 35 C		CBS	25		20.0		.100	A	75J		2.500	B	3UA 10	25
	2N183	NG 210	5	ETC	25		15.0	.010	.100	A	85J		10.000	B	3UA 10	45
-	2N183+	NG 35 C		CBS	25		20.0		.100	A	75J		5.000	B	3UA 10	50
	2N184	NG 210	5	ETC	25		15.0	.010	.100	A	85J		10.000	B	5UA 10	100
-	2N184+	NG 35 C		CBS	25		20.0		.100	A	75J		10.000	B	3UA 10	
	2N185	PG 210	5	ETC	20	20	10.0	.150	.150	A	75J		AUD		15UA 20	70
-	2N185+	PG 10 B		TII	20			.150	.150	A	50A		AUD		15UA 20	
	2N186	PG 210	5	ETC	25	25R	5.0	.200	.100	A	85J		.800	B	16UA 25	24 .100
-	2N186+	PG 57 B		GEC	25	25R	5.0	.200	.075	A	60A		.800	B	16UA 25	24
	2N186A	PG 210	5	ETC	25	25R	5.0	.200	.200	A	85J		.800	B	16UA 25	24 .100
	2N186A+	PG 57 B		GEC	25	25R	5.0	.200	.180	A	60A		.800	B	16UA 25	24
	2N187	PG 210	5	ETC	25	25R	5.0	.200	.100	A	85J		1.000	B	16UA 25	36 .100
-	2N187+	PG 57 B		GEC	25	25R	5.0	.200	.075	A	60A		1.000	B	16UA 25	36
	2N187A	PG 210	5	ETC	25	25R	5.0	.200	.200	A	85J		1.000	B	16UA 25	36 .100
-	2N187A+	PG 57 B		GEC	25	25R	5.0	.200	.180	A	60A		1.000	B	16UA 25	36
	2N188	PG 210	5	ETC	25	25R	5.0	.200	.100	A	85J		1.200	B	16UA 25	50 .020
-	2N188+	PG 57 B		GEC	25	25R	5.0	.200	.075	A	60A		1.200	B	16UA 25	54
	2N188A	PG 210	5	ETC	25	25R	5.0	.200	.200	A	85J		1.200	B	16UA 25	50 .020
	2N188A+	PG 57 B		GEC	25	25R	5.0	.200	.180	A	60A		1.200	B	16UA 25	54
	2N189	PG 210	5	ETC	25	25R		.050	.075	A	60J		.800	B	16UA 25	36 .020
-	2N189+	PG 57 B		GEC	25	25R		.050	.175	A	60A		.800	B	16UA 25	24
	2N190	PG 210	5	ETC	25	25R		.050	.075	A	60J		1.000	B	16UA 25	50 .020
-	2N190+	PG 57 B		GEC	25	25R		.050	.175	A	60A		1.000	B	16UA 25	36
	2N191	PG 210	5	ETC	25	25R		.050	.075	A	60J		1.200	B	16UA 25	80 .020
	2N191+	PG 57 B		GEC	25	25R		.050	.175	A	60A		1.200	B	16UA 25	54
	2N192	PG 210	5	ETC	25	25R		.050	.075	A	60J		1.500	B	16UA 25	114 .020
-	2N192+	PG 57 B		GEC	25	25R		.050	.175	A	60A		1.500	B	16UA 25	74
	2N193	NG 210	5	ETC	18	18R	5.0	.100	.150	A	85J		2.000	B	30UA 18	8
-	2N193+	NG 10	22	SYL	18	18	5.0	.100	.150	A	85J		2.000	B	30UA 18	10
	2N194	NG 210	5	ETC	18	18R	.5	.100	.150	A	85J		2.000	B	50UA 18	10
-	2N194+	NG 10	22	SYL	25	25R		.100	.050	A	75J		2.000	B	40UA 15	10
	2N194A	NG 210	5	ETC	18	18R	5.0	.100	.150	A	85J		2.000	B	30UA 18	10
-	2N194A+	NG 10	22	SYL	18	18	5.0	.100	.150	A	85J		2.000	B	30UA 18	10
	2N195	PG 172 D		TEC	15	12	6.0	.030	.100	A	75J		1.000	B	10UA 12	180
	2N196	PG 172 D		TEC	30	25	6.0	.030	.100	A	85J		.800	B	101A 12	50
	2N197	PG 172 D		TEC	30	25	6.0	.030	.100	A	85J		.700	B	101A 12	40
	2N198	PG 172 D		TEC	30	25	6.0	.030	.100	A	85J		.600	B	101A 12	30
	2N199	PG 172 D		TEC	30	25	6.0	.030	.100	A	85J		.500	B	10UA 12	15
	2N200	PG 172 D		TEC	36	30	12.0	.100	.100	A	85J		.400	B	4UA 12	30
	2N204	PG 172 D		TEC	36	30	12.0	.100	.100	A	85J		.400	B	4UA 12	15
	2N205	PG 172 D		TEC	36	30	12.0	.100	.100	A	85J		.400	B	4UA 12	15
	2N206	PG 210	5	ETC	30	30	12.0	.050	.075	A	85J		.800	B	10UA 30	50
	2N207	PG 210	5	ETC	12	12	12.0	.020	.050	A	65J		2.000	B	15UA 12	50
	2N207A	PG 210	5	ETC	12	12	12.0	.020	.050	A	65J		2.000	B	10UA 12	50
	2N207B	PG 210	5	ETC	12	12	12.0	.020	.050	A	65J		2.000	B	10UA 12	50
-	2N207B+	PG 116	23	PHL	12			.020	.050	A	65J		2.000	B	10UA 12	35
	2N211	NG 210	5	ETC	10	10	.5	.050	.050	A	75J		2.000	B	20UA 10	10
-	2N211+	NG 10	22	SYL	10	10		.100	.050	A	75J		2.000	B	20UA 10	10
	2N212	NG 210	5	ETC	18	18R	5.0	.100	.150	A	85J		4.000	B	30UA 18	18
-	2N212+	NG 10	22	SYL	18	18	5.0	.100	.150	A	85J		4.000	B	30UA 40	10
	2N213	NG 210	5	ETC	40	25R	10.0	.100	.180	A	85J		.010	E	100UA 25	140
-	2N213+	NG 10	22	SYL	40	25R	10.0	.100	.180	A	85J		.700	G	50UA 18	150
	2N213A	NG 210	5	ETC	40	25R	10.0	.100	.180	A	85J		.010	E	100UA 25	160
-	2N213A+	NG 10	22	SYL	40	25R	10.0	.100	.180	A	85J		1.000	G	50UA 40	170
	2N214	NG 210	5	ETC	40	25R	10.0	.100	.180	A	85J		.010	B	50UA 40	75 .035
-	2N214+	NG 10	22	SYL	40	25R	10.0	.100	.180	A	85J		.500	G	50UA 40	176
	2N215	PG 210	5	ETC	30	12	12.0	.050	.150	A	85J		.700	B	10UA 12	44

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2N215+	PG 120	1	RCA	30		12.0	.050	.150	A	70A		.700	B	10UA 12	44	
	2N216	NG 210	5	ETC	18	18R	1.0	.050	.050	A	75J		2.000	B	50UA 18	40	.001
-	2N216+	NG 10	22	SYL	15				.050	A	75J		2.000	B	40UA 15	40	
	2N217	PG 210	5	ETC	25	25	12.0	.070	.150	A	85J		AUD		14UA 25	75	.050
	2N217+	PG 120	1	RCA	25	25	12.0	.070	.150	A	71A		AUD		14UA 25	76	
	2N218	PG 210	5	ETC	16	16	12.0	.015	.035	A	85J		4.500	B	6UA 12	48	
-	2N218+	PG 120	1	RCA	16		12.0	.015	.035	A	70A		7.000	B	6UA 12	50	
	2N219	PG 210	5	ETC	16	16	.5	.015	.080	A	85J		8.000	B	6UA 12	75	
-	2N219+	PG 120	1	RCA	16		12.0	.015	.035	A	70A		7.000	B	6UA 12	50	
	2N220	PG 210	5	ETC	25		12.0	.002	.050	A	85J		.850	B	12UA 15	65	
	2N220+	PG 120	1	RCA	10	10		.002	.020	A	50A		.850	B	12UA 25	64	
	2N223	PG 210	5	ETC		18		.150	.250	A	75J		.600	B	20UA 9	110	
-	2N223+	PG 116	25	PHL	18			.060	.200	A	65J		.600	B	20UA 9	80	
	2N224	PG 210	5	ETC	25			.150	.250	A	75J		.510	B	25UA 12	90	.100
-	2N224+	PG 106	25	PHL	25			.150	.120	A	65A		.510	B	25UA 12	70	
	2N225	M.P.2N224															
	2N226	PG 210	5	ETC	30			.150	.250	A	75J		.400	B	25UA 30	60	.100
-	2N226+	PG 106	25	PHL	25			.150	.120	A	65A		.400	B	25UA 12	60	
	2N227	M.P.2N226															
	2N228	NG 210	5	ETC	40	15R	10.0	.100	.150	A	85J		.010	E	4A 40	80	
-	2N228+	NG 10	22	SYL	40	15R	10.0	.100	.180	A	85J		.600	G	100UA 40	70	
	2N229	NG 210	5	ETC	10	10R	10.0	.100	.180	A	85J		.600	B	100UA 10	50	
-	2N229+	NG 10	22	SYL	10	10R	20.0	.100	.180	A	85J		.600	B	100UA 10	60	
	2N231	PG 116	24	SPR,HUG	5	5S		.003	.009	A	85J		LS SW		3UA 5	36	.001
	2N233	NG 210	5	ETC	10	10R	5.0	.100	.150	A	85J		2.000	B	10UA 10	10	
-	2N233+	NG 10	22	SYL	10	10R	5.0	.100	.150	A	85J		2.000	B	50UA 10	20	
	2N233A	NG 210	5	ETC	18	18R	5.0	.100	.150	A	85J		2.000	B	10UA 18	10	
-	2N233A+	NG 10	22	SYL	18	18R	5.0	.100	.150	A	85J		2.000	B	30UA 18	24	
	2N234A	PG 605	3	SOL,ETC,HUG,KSC	25	25R	15.0	3.000	25.000	C	90J		.008	E	5MA 25	40	
	2N235A	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	25.000	C	90J		.007	E	1MA 25	46	1.000
	2N235B	PG 605	3	SOL,ETC,HUG	35		15.0	3.000	25.000	C	90J		.007	E	1MA 25	56	1.000
	2N236A	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	25.000	C	100J		.006	E	1MA 25	55	2.000
	2N236B	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	25.000	C	100J		.006	E	1MA 25	55	2.000
	2N237	PG 210	5	ETC	45	15	5.0	.020	.150	A	85J		.500	B	10UA 45	48	
-	2N238	PG 10 B		TII	20				.050	A	60A		AUD		20UA 20	50	
	2N240	PG 116	24	SPR,HUG	6	6S	5.0	.015	.030	A	85J		25.000	G	3UA 5	30	
	2N241	PG 210	5	ETC	25	25R	5.0	.200	.100	A	60J		1.300	B	16UA 25	80	.020
-	2N241+	PG 57 B		GEC	25	25R	5.0	.200	.100	A	60A		1.300	B	16UA 25	70	
	2N241A	PG 210	5	ETC	25	25R	5.0	.200	.200	A	75J		1.300	B	16UA 25	80	.020
	2N241A+	PG 57 B		GEC	25	25R	5.0	.200	.200	A	75A		1.300	B	16UA 25	70	
	2N242	PG 605	3	MOT,SOL,ETC,HUG	45	45R	10.0	5.000	106.000	C	110J		.005	E	5MA 45	60	.500
	2N243	NS 10	22	TII,ETC,TEC,HUG	60			.060	.750	A	150J		AUD		1UA 30	15	
	2N244	NS 10	22	ETC,TEC,HUG	60			.060	.750	A	150J		AUD		1UA 30	50	
-	2N245	NS 185 A		TII	60			.060	1.000	C	150J		AUD		1UA 30	15	
	2N246	NS 185 A		TII	60			.060	1.000	C	150J		AUD		1UA 30	50	
-	2N247	PG 75	7	RCA	35		1.0	.010	.035	A	71A		130.000	G	16UA 30	65	
-	2N247/33	PG 217	33	SYL	40	40	.5	.010	.120	A	100J		20.000	G	50UA 40	80	
-	2N248	PG 10 B		TII	25			.005	.030	A	75A		50.000	B	10UA 12	20	
	2N249	PG 210	5	ETC	25	25		.200	.250	A	85J		AUD		25UA 25	30	
-	2N249+	PG 171 A		TII	25			.200	.350	A	60A		AUD		25UA 25	50	
	2N250	PG 605	3	SOL,ETC,HUG,KSC,TII	30		15.0	2.000	12.000	C	85J		.008	E	1UA 30	90	
	2N250A	PG 605	3	TII,SOL,ETC,HUG,KSC	40	25	20.0	7.000	90.000	C	100J		.160	G	1MA 30	60	3.000
	2N251	PG 605	3	SOL,ETC,HUG,KSC,TII	60	150	15.0	2.000	12.000	C	85A		.008	E	2UA 60	60	.500
	2N251A	PG 605	3	TII,SOL,ETC,HUG	60	35	20.0	7.000	90.000	C	100J		.160	G	2MA 60	60	3.000
	2N252	PG 210	5	ETC		16		.005	.030	A	55J		AM RF		10UA 12	30	
-	2N252+	PG 10 B		TII	16			.005	.030	A	75J		5.000	G	10UA 12		
	2N253	NG 210	5	ETC	12	12		.050	.100	A	75J		2.500	B	3UA 9	40	
-	2N253+	NG 10 B		TII	12			.005	.065	A	75J		5.000	G	13UA 9		
	2N254	NG 210	5	ETC	20	20		.005	.065	A	75J		5.000	B	10UA 12	20	
-	2N254+	NG 10 B		TII	20			.005	.065	A	75J		5.000	G	3UA 9		
	2N255	PG 605	3	SOL,HUG,KSC	15		15.0	3.000	25.000	C	85J		.200	B	3MA 14	40	.500
	2N255A	PG 605	3	DEL,SOL,HUG,KSC	15	15R	15.0	5.000	20.000	C	100J		.005	E	5MA 15	36	.400
	2N256	PG 605	3	SOL,HUG,KSC	30	30R	30.0	3.000	25.000	C	100J		.005	E	3MA 30	15	.500
	2N256A	PG 605	3	SOL,HUG,KSC	25	25R	15.0	4.000	20.000	C	100J		.005	E	5MA 25	36	.400
	2N257	PG 605	3	SOL,ETC,HUG,KSC	40	35S	6.0	3.000	25.000	C	95J		.005	E	2MA 20	20	.400
	2N257-BLK	PG 605	3	ETC,KSC	40	35S	20.0	3.000	45.000	C	95J				2MA 20	88	.500
	2N257-GRN	PG 605	3	ETC,KSC	40	35S	20.0	3.000	45.000	C	95J				2MA 20	60	.500
	2N257-WHT	PG 605	3	ETC,KSC	40	35S	20.0	3.000	45.000	C	95J				2MA 20	150	.500
	2N264	NS 10 B		HUG,TII	45	30	1.0	.020	.125	A	150C		10.000	B	1UA 20	34	.010
	2N265	PG 210	5	ETC	25	25R		.050	.075	A	60J		1.500	B	16UA 25	144	.020
-	2N265+	PG 57 B		GEC	25	25R		.050	.075	A	60A		1.500	B	16UA 25	140	
	2N268	PG 605	3	SOL,ETC,HUG,KSC	80	60R	6.0	3.000	45.000	C	95J		.006	E	2MA 80	45	2.000
	2N268A	PG 605	3	SOL,ETC,HUG,KSC	80		6.0	3.000	35.000	C	100J		.006	E	2MA 80	40	2.000
	2N269	PG 210	5	ETC	25	24	12.0	.100	.120	A	85J		4.000	B	5UA 12	45	.012
-	2N269+	PG 120	1	RCA	25	24	12.0	.100	.120	A	85J		13.000	B	5UA 12	50	
	2N270	PG 210	5	ETC	25	12	12.0	.150	.250	A	85J		AUD		16UA 25	70	.150
	2N270+	PG 55 B		RCA	25		12.0	.075	.250	A	71A		AUD		16UA 25	70	
	2N271	PG 210	5	ETC		10		.200	.150	A	85J		5.000	B	5UA 12	50	
-	2N271+	PG 10 A		RAY	30	10	20.0	.200	.150	A	85J		1.000	B	5UA 12	44	
	2N271A	PG 210	5	ETC		10		.200	.150	A	850J		5.000	B	5UA 12	50	
	2N272	PG 210	5	ETC		24		.100	.150	A	85J		.500	B	10UA 20	120	
-	2N272+	PG 10 A		RAY	24	24		.100	.150	A	85J		1.000	B	6UA 20	80	
	2N273	PG 210	5	ETC		30		.100	.150	A	85J		AUD		10UA 20	20	
-	2N273+	PG 10 A		RAY	20	9		.100	.240	C	85J		AUD		6UA 20	40	
	2N274	PG 128	44	RCA	35		.5	.010	.120	A	100A		30.000	B	12UA 12	80	
	2N277	PG 405	36	DEL,MOT,RCA,ETC,SOL,HUG	40	25	20.0	15.000	150.000	C	100C		.010	E	100UA 2	50	
	2N278	PG 405	36	DEL,MOT,RCA,ETC,SOL,HUG	50	30	30.0	15.000	150.000	C	100C		.010	E	100UA 2	50	
	2N279	PG 210	5	ETC	20	20R	.5	.075	.125	A	75J		.300	B	10UA 4	30	
	2N280	PG 210	5	ETC	20	20R	.5	.075	.125	A	75J		.300	B	10UA 4	50	
	2N281	PG 210	5	ETC	16	16R	10.0	.075	.125	A	75J		.350	B	10UA 10	52	.080
	2N282	M.P.2N281															
	2N283	PG 210	5	ETC	30	20	10.0	.050	.125	A	75J		.500	B	9UA 30	44	.001
	2N284	PG 210	5	ETC	32	32R	10.0	.125	.125	A	75J		.350	B	10UA 10	45	.080
	2N284A	PG 210	5	ETC	60	55R	10.0	.125	.125	A	75J		.350	B	10UA 10	45	.080
	2N285A	PG 605	3	SOL,ETC,HUG	35		15.0	3.000	25.000	C	100J		.006	E	1MA 25	35	1.000
	2N285B	PG 605	3	SOL,HUG	35		15.0	3.000	25.000	C	100J		.006	E	80UA 15	80	.420
	2N291	PG 210	5	ETC	25	12		.200	.180	A	50J		AUD		25UA 25	60	
-	2N291+	PG 10 D		GEC	25			.200	.300	C	65J		AUD		25UA 25	44	
	2N292	NG 210	5	ETC	15	15R	.5	.020	.065	A	85J		5.000	B	5UA 15	21	.001
-	2N292+	NG 12 A		GEC	15	15		.020	.065	A	85A		5.000	B	5UA 15	25	
	2N292A	NG 210	5	ETC	15	15R	.5	.020	.100	A	85J		5.000	B	5UA 15	21	.001
	2N293	NG 210	5	ETC	15	15R		.020	.065	A	85J		4.000	B	5UA 15	38	
-	2N293+	NG 12 A		GEC	15	15		.020	.065	A	85A		8.000	B	5UA 15	25	
	2N296	NS 605	3	SOL,HUG	60		15.0	2.000	20.000	C	100J		.006	E	2MA 60	38	1.000
	2N297	PG 605	3	ETC,HUG	60	505	9.0	5.000	45.000	C	95J		.005	E	5MA 60	22	2.000
	2N297A	PG 605	3	SOL,MOT,ETC,HUG,KSC	60	40	40.0	4.000	35.000	C	100J		.005	E	200UA 2	70	.500
-	2N299	PG 124	30	PHL	5			.005	.020	A	85J		90.000	F	3UA 5	10	
-	2N300	PG 124	30	PHL	5			.005	.020	A	85J		85.000	F	3UA 5	20	
	2N301	PG 605	3	DEL,MOT,ETC,SOL,HJG,KSC	45	32	10.0	3.000	45.000	C	95J		.006	E	3MA 30	60	.700
	2N301A	PG 605	3	DEL,SOL,ETC,HUG,KSC	60	32	10.0	3.000	45.000	C	95J		.006	E	3MA 30	60	.700
	2N302	PG 210	5	ETC	15	10	2.0	.200	.150	A	85J		7.000	B	6UA 10	50	.001
	2N303	PG 210	5	ETC	15	10	2.0	.200	.150	A	85J		14.000	B	6UA 10	80	.001
	2N306	NG 210	5	ETC	20	15R	10.0	.100	.180	A	85J		.600	B	25UA 20	46	
-	2N306+	NG 10	22	SYL	20	15R	10.0		.180	A	85J		.600	B	20UA 20	74	
	2N307	PG 605	3	MOT,ETC,HUG,KSC	35	35	10.0	5.000	106.000	C	110J		.005	E	15MA 35	40	.200
	2N307A	PG 605	3	MOT,SOL,ETC,HUG,KSC	35	35	10.0	5.000	106.000	C	110J		.005	E	7MA 35	60	.200
-	2N307B	PG 605	3	SYL	35	35		2.000	16.000	C	75J		.005	E	5MA 35	50	
	2N308	PG 210	5	ETC	20	20		.005	.030	A	55J		AM IF		10UA 9	30	
-	2N308+	PG 10 B		TII	20	20		.005	.030	A	55A		AM IF		10UA 9		
	2N309	PG 210	5	ETC	20	20		.005	.030	A	10J		AM IF		9UA	30	
-	2N309+	PG 10 B		TII	20	20		.005	.030	A	55A		AM IF		10UA 9		
	2N310	PG 210	5	ETC	20	30		.005	.030	A	10J		AM IF		9UA	50	
-	2N310+	PG 10 B		TII	20	30		.005	.030	A	55A		AM IF		10UA 9		
	2N311	PG 210	5	ETC	15	15	15.0	.005	.150	A	85J		AUD		15UA 15	50	
	2N312	NG 210	5	ETC	15	15	6.0		.100	A	85J		LS SW		15UA 25	50	
-	2N312+	NG 210	5	SYL	15	15	15.0	.200	.100	A	85J		LS SW		10UA 15	40	
	2N315	PG 210	5	ETC	20	15	20.0	.500	.100	A	85J		5.000	B	2UA 5	22	.100
	2N315A	PG 210	5	ETC,TII	30	20	20.0	.500	.150	A	85J		5.000	B	2UA 5	34	.100
	2N316	PG 210	5	ETC	20	10	20.0	.500	.100	A	85J		12.000	B	2UA 5	34	.200

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2N316A	PG 210	5	ETC	30	15	20.0	.500	.150	A	85J		12.000	B	2UA	5	34	.200
	2N317	PG 210	5	ETC	20	6	20.0	.500	.100	A	85J		20.000	B	2UA	5	35	.400
	2N317A	PG 210	5	ETC,TII	25	10	20.0	.500	.150	A	85J		20.000	B	2UA	5	35	.400
	2N319	PG 212	5	ETC,GEC,MOT	25	20R	5.0	.200	.225	A	85J		2.000	B	16UA	25	34	
	2N320	PG 212	5	ETC,GEC,MOT,SES	25	20R	5.0	.200	.225	A	85J		2.500	B	16UA	25	50	
	2N321	PG 212	5	ETC,GEC,MOT,SES	25	20R	5.0	.200	.225	A	85J		3.000	B	16UA	25	80	
	2N322	PG 212	5	ETC,GEC,MOT,SES	18	18R	5.0	.200	.200	A	60J		1.000	B	16UA	16	50	
	2N323	PG 212	5	ETC,GEC,MOT,SES	18	18R	5.0	.200	.200	A	60J		1.500	B	16UA	16	80	
	2N324	PG 212	5	ETC,GEC,MOT,SES	18	18R	5.0	.200	.140	A	60J		1.500	B	16UA	16	130	
-	2N325	PG 605	3	SYL	35	35		2.000	12.000	C	85J		.005	E	500UA	30	40	
-	2N326	NG 605	3	SYL	35	35		2.000	7.000	C	85J		.005	E	500UA	35	44	
-	2N327	PS 170	9	RAY	40	35		.050	.330	A	160A		.300	B	5NA	20	14	
	2N327A	PS 210	5	HUG,RAY,SSD,ETC,NSC,SOL	50	40	20.0	.050	.330	A	160J		5.000	G	100NA	30	14	.003
	2N327B	PS 210	5	RAY,SOL,HUG,CRY	50	40	20.0		.400	A	200J		2.000	G	1NA	30	15	.003
-	2N328	PS 170	9	RAY	30	35		.050	.330	A	160A		.350	B	5NA	20	24	
	2N328A	PS 210	5	HUG,RAY,SSD,ETC,NSC,SOL	50	35	20.0	.050	.330	A	160J		5.000	G	100NA	30	26	.003
	2N328B	PS 210	5	RAY,SOL,HUG,CRY	50	35	20.0		.400	A	200J		2.000	G	1NA	30	30	.003
-	2N329	PS 170	9	RAY	20	35		.050	.330	A	160A		.600	B	5NA	20	50	
	2N329A	PS 210	5	HUG,RAY,SSD,ETC,NSC,SOL	50	30	20.0	.050	.330	A	160J		15.000	G	100NA	30	60	.003
	2N329B	PS 210	5	RAY,SOL,HUG,CRY	50	30	20.0		.400	A	200J		2.000	G	1NA	30	60	.003
-	2N330	PS 170	9	RAY	20	35		.050	.330	A	160A		.500	B	5NA	20	30	
	2N330A	PS 210	5	SSD,SOL,HUG,CRY	50	30	20.0	.050	.330	A	160J		.500	B	100NA	30	26	
	2N331	PG 210	5	ETC,MOT,GIC	30		12.0	.200	.200	A	65J		.400	B	16UA	30	60	
	2N332	NS 210	5	ETC,TII,ETC,HUG	45		1.0	.025	.150	A	175J		1.000	B	2NA	30	14	
	2N332A	NS 210	5	ETC,TII,TEC,HUG	45	45	4.0	.025	.500	A	175J		2.500	B	500NA	30	16	
	2N333	NS 210	5	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J		2.000	B	2UA	30	31	
	2N333A	NS 210	5	ETC,TII,ETC,HUG	45	45	4.0	.025	.500	A	175J		2.500	B	500NA	30	30	
	2N334	NS 210	5	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J		8.000	B	2UA	30	38	
	2N334A	NS 210	5	ETC,TII,TEC,HUG	45	45	4.0	.025	.500	A	175J		8.000	B	500NA	30	50	
	2N335	NS 210	5	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J		2.000	B	2UA	30	56	
	2N335A	NS 210	5	ETC,TII,TEC,HUG	45	45	4.0	.025	.500	A	175J		2.500	B	500NA	30	60	
	2N335B	NS 210	5	ETC,HUG	60	60	4.0	.025	.500	A	175J		2.500	B	500NA	30	60	
	2N336	NS 210	5	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J		2.000	B	2UA	30	100	
	2N336A	NS 210	5	ETC,TII,TEC,HUG	45	45	4.0	.025	.500	A	175J		2.500	B	500NA	30	150	
	2N337	NS 210	5	RAD,TEC,TII,HUG	45		1.0	.020	.025	A	150J		10.000	B	1UA	20	56	
	2N337A	NS 210	5	TEC,HUG	45	35	2.5	.020	.500	A	175J		15.000	B	500NA	30	56	
	2N338	NS 210	5	RAD,TEC,TII,ETC,HUG	45		1.0	.020	.025	A	150J		20.000	B	1UA	20	100	
	2N338A	NS 210	5	TEC,HUG	45	35	2.5	.020	.500	A	175J		25.000	B	500NA	30	100	
	2N339	NS 210	11	TII,ETC,TEC,HUG	55	55	1.0	.060	1.000	C	150J		AUD		1UA	30	50	
	2N339A	NS 210	11	ETC,TEC,HUG	60	60	3.0		1.000	A	200J				1UA	30	30	.050
	2N340	NS 210	11	TII,ETC,TEC,HUG	85	85	1.0	.060	1.000	C	150J		AUD		1UA	30	50	
	2N340A	NS 210	11	ETC,TEC,HUG	85	85	3.0		1.000	A	200J				1UA	30	30	.050
	2N341	NS 210	11	TII,ETC,HUG	125	125	1.0	.060	1.000	C	150J		AUD		1UA	30	50	
	2N341A	NS 210	11	ETC,TEC,HUG	125	125	3.0		1.000	A	200J				1UA	30	47	
	2N342	NS 210	11	TII,ETC,TEC,HUG	60	60	1.0	.060	1.000	C	150J		AUD		1UA	30	16	
	2N342A	NS 210	11	TII,ETC,TEC,HUG	85	85	1.0	.060	1.000	C	150J		AUD		1UA	30	16	
	2N342B	NS 210	11	TEC	85	85	2.0	.060	.750	C	150J		AUD		1UA	30	20	
	2N343	NS 210	11	TEC,ETC,HUG,TII	60	60	1.0	.060	1.000	C	150J		AUD		1UA	30	56	
	2N343A	NS 210	11	TEC,HUG	60	60	1.0		1.000	C	150J		AUD		1UA	30	56	
	2N343B	NS 210	11	HUG	65	65	2.0	.060	1.000	C	150J		AUD		1UA	30	56	
	2N344	PG 116	24	HUG,SPR	5	5	5.0	.005	.040	A	55J		30.000	F	3UA	5	22	
	2N345	PG 116	24	HUG,SPR	5	5	5.0	.005	.040	A	55J		30.000	F	3UA	5	60	
	2N346	PG 116	24	HUG,SPR	5	5	5.0	.005	.040	A	55J		60.000	F	3UA	5	20	
	2N350	PG 605	3	SOL,ETC,HUG,KSC	40	30	10.0	3.000	25.000	C	100J		.005	E	3MA	30	40	
	2N350A	PG 605	3	MOT,SOL,ETC,HUG,KSC	50	40	10.0	6.000	40.000	C	100J		.005	E	3MA	30	40	
	2N351	PG 605	3	RCA,SOL,ETC,HUG,KSC	40	30S	10.0	3.000	10.000	A	90J		AUD		3MA	30	60	
	2N351A	PG 605	3	MOT,SOL,HUG,KSC	50	40	10.0		40.000	C	100J		.005	E	3MA	30	60	
	2N356	NG 210	5	ETC	20	12	20.0	.500	.100	A	100J		3.000	B	5UA	5	34	.100
	2N356A	NG 210	5	ETC	30	20	20.0	.500	.150	A	85J		3.000	B	5UA	5	34	.100
	2N357	NG 210	5	ETC	20	15	20.0	.500	.100	A	100J		6.000	B	5UA	5	34	.200
	2N357+	NG 170	9	TAD	20	15	20.0	.500	.100	A	75A		6.000	B	5UA	5	30	
	2N357A	NG 210	5	ETC	30	20	20.0	.500	.150	A	100J		6.000	B	5UA	5	50	.200
	2N358	NG 210	5	ETC	20	12	20.0	.500	.100	A	100J		9.000	B	5UA	5	34	.300
-	2N358+	NG 170	9	TAD,SYL	20	12	20.0	.500	.100	A	75A		9.000	B	5UA	5	30	
	2N358A	NG 210	5	ETC	30	15	20.0	.500	.150	A	100J		9.000	B	5UA	5	50	.300
	2N359	PG 210	5	ETC	25	18R	6.0	.200	.175	A	95J		3.500	B	10UA	12	175	.050
	2N360	PG 210	5	ETC	32	30R	6.0	.200	.175	A	95J		2.500	B	10UA	12	88	.050
	2N361	PG 210	5	ETC	32	30R	6.0	.200	.175	A	95J		2.500	B	10UA	12	44	.050
	2N362	PG 210	5	ETC	25	18	6.0	.100	.175	A	75J		2.000	B	10UA	12	100	
	2N363	PG 210	5	ETC	40	30	6.0	.100	.175	A	95J		1.500	B	10UA	12	50	
	2N364	NG 210	5	ETC	30	25R	2.0	.075	.150	A	85J		1.000	B	10UA	30	14	
-	2N364+	NG 10	B	TII	30		2.0	.050	.150	A	75J		1.000	B	10UA	30	14	
	2N365	NG 210	5	ETC	30	25R	2.0	.075	.150	A	85J		1.000	B	10UA	30	38	
-	2N365+	NG 10	B	TII	30		2.0	.050	.150	A	75J		1.000	B	10UA	30	28	
	2N366	NG 210	5	ETC	30	25R	2.0	.075	.150	A	85J		1.000	B	10UA	30	100	
-	2N366+	NG 10	B	TII	30		2.0	.050	.150	A	75J		1.000	B	10UA	30	80	
	2N367	PG 210	5	ETC	30	25R	10.0	.075	.150	A	85J		.300	B	15UA	30	14	
	2N368	PG 210	5	ETC	30	25R	10.0	.075	.150	A	85J		.400	B	15UA	30	38	
-	2N368+	PG 10	B	TII	30		10.0	.050	.100	A	75J		.400	B	20UA	30	34	
	2N369	PG 210	5	ETC	30		10.0		.150	A	85J		.500	B	15UA	30	90	
-	2N369+	PG 10	B	TII	30		10.0	.050	.100	A	75J		.500	B	20UA	30	70	
-	2N370	PG 75	7	RCA	20		1.5	.010	.080	A	71A		130.000	G	20UA		60	
-	2N371	PG 75	7	RCA	20		1.5	.010	.080	A	71A		130.000	G	20UA	12	60	
-	2N372	PG 75	7	RCA	20		1.5	.010	.080	A	71A		130.000	G	20UA		60	
-	2N373	PG 75	7	RCA	25		1.5	.010	.080	A	71A		130.000	G	8UA	12	60	
-	2N374	PG 75	7	RCA	25		1.5	.010	.080	A	71A		130.000	G	8UA	12	60	
	2N375	PG 605	3	SOL,MOT,ETC,HUG,KSC	80	60R	20.0	3.000	90.000	C	90J		.007	E	3MA	60	60	
	2N376	PG 605	3	RCA,SOL,ETC,HUG,KSC	40	30R	10.0	3.000	65.000	C	90J		.005	E	3MA	30	60	
	2N376A	PG 605	3	MOT,SOL,ETC,HUG,KSC	50	40R	10.0	5.000	60.000	C	100J		.005	E	3MA	30	80	.700
	2N377	NG 210	5	ETC,TAD,TII	25	20R	15.0	.200	.150	A	100J		6.000	B	20UA	20	40	.030
	2N377A	NG 210	5	ETC	40	40X	15.0	.200	.200	A	100J		6.000	B	40UA	40	35	.030
	2N378	PG 605	3	MOT,SOL,ETC,HUG,KSC	20			5.000	106.000	C	110J		.005	E	500UA	25	60	2.000
	2N379	PG 605	3	DEL,TSE,MOT,SOL,ETC,HUG	80	40	20.0	7.000	100.000	C	110J		.003	E	500UA	25	40	2.000
	2N380	PG 605	3	DEL,TSE,MOT,SOL,ETC,HUG	60	30	20.0	7.000	100.000	C	110J		.003	E	500UA	25	40	2.000
	2N381	PG 212	5	ETC,MOT	50	25R	20.0	.400	.225	A	85J		3.000	B	15UA	25	40	
	2N382	PG 212	5	ETC,MOT,TSE	50	25R	20.0	.400	.225	A	85J		4.000	B	10UA	25	90	
	2N383	PG 212	5	MOT,TSE,ETC	50	25R	20.0	.400	.225	A	100J		5.000	B	10UA	25	100	
	2N384	PG 128	44	CSF,RCA	40		5	.010	.120	A	100A		50.000	B	12UA	12	100	
	2N385	NG 212	5	TAD,ETC	25	25R	15.0	.200	.150	A	100J		4.000	B	10UA	25	70	
	2N385A	NG 212	5	TAD,ETC	40		15.0	.200	.200	A	100J		4.000	B	40UA	40	70	
	2N388	NG 212	5	CSF,RCA,TAD,TII,ETC,ITT	25	20	15.0	.200	.150	A	100J		5.000	B	10UA	25	120	.030
	2N388A	NG 212	5	TII,RCA,TAD,ETC,TIL	40		15.0	.200	.200	A	100J		8.000	B	10UA	25	120	.030
	2N389	NS 731	53	AMF,TEC,TII,HUG,KSC,SEN	60	60R	10.0		85.000	C	200J		8.500	G	10MA	60	36	
	2N389A	NS 731	53	AMF,TEC,TII,HUG,KSC,SEN	60	60S	10.0	3.000	85.000	C	200J		2.000	B	10MA	60	36	
	2N392	PG 605	3	DEL,ETC,HUG,SOL	60	45	40.0	5.000	90.000	C	100J		.006	E	8MA	60	110	3.000
	2N393	PG 116	24	SPR,HUG	6	6	6.0	.050	.035	A	100J		25.000	G	5UA	6	80	
	2N394	PG 212	5	ETC	30	10	20.0	.200	.150	A	85J		4.000	B	6UA	10	44	
	2N395	PG 212	5	ETC,TAD,TII,RCA	30	20R	15.0	.200	.150	A	85J		3.000	B	6UA	15	60	
	2N396	PG 212	5	CSF,ETC,TAD,TII,RCA	20	20R	10.0	.200	.150	A	85J		5.000	B	6UA	20	70	
	2N396A	PG 212	5	GEC,ETC	30	20	20.0	.200	.200	A	85A		8.000	B	6UA	20	70	
	2N397	PG 210	5	CSF,TII,TAD,RCA	30	15R	20.0	.200	.200	A	85J		10.000	B	6UA	15	100	
	2N398	PG 210	5	RCA,MOT,TII	105	105S	50.0	.100	.050	A	55A		.500	B	50UA	105	40	
	2N398A	PG 210	5	RCA,MOT,TII	105	105S	50.0	.100	.150	A	100A		.500	B	50UA	105	40	
	2N398B	PG 210	5	RCA,TII,TAD	105	105S	50.0	.100	.150	A	100A		.100	B	25UA	105	60	
	2N399	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	25.000	C	100J		.006	E	1MA	25	80	.420
	2N400	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	35.000	C	100J		.006	E	2MA	25	56	1.300
	2N401	PG 605	3	SOL,ETC,HUG,KSC	35		15.0	3.000	25.000	C	100J		.006	E	1MA	25	50	.420
	2N402	PG 210	5	ETC	25	20	10.0	.150	.180	A	85J		.300	B	15UA	20	30	
	2N403	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J		.430	B	15UA	20	40	
	2N404	PG 210	5	CSF,RCA,AMP,ETC,TAD,TII	25	24	12.0	.200	.150	A	100A		12.000	B	5UA	12	40	.024
	2N404A	PG 210	5	GEC,RCA,ETC,TAD,TII,GIC	40	35	25.0	.200	.150	A	100J		12.000	B	5UA	12	50	
	2N405	PG 210	5	ETC	20	18	2.5	.035	.150	A	85J		.650	B	14UA	12	35	
	2N405+	PG 55	40	RCA	20	18	2.5	.035	.150	A	71A		.650	B	14UA	6	35	
	2N406	PG 210	5	ETC	20	18	2.5	.035	.150	A	71J		.650	B	14UA	12	35	
	2N406+	PG 120	1	RCA,TAD	20	18	2.5	.035	.150	A	71A		.650	B	14UA	6	35	
	2N407	PG 210	5	ETC	20	18	2.5	.070	.150	A	71J				14UA	12	75	.050
	2N407+	PG 55	40	RCA	20	18	2.5	.070	.150	A	71A		AUD		14UA	12	65	
	2N408	PG 210	5	ETC	20	18	2.5	.070	.150	A	71J		AUD		14UA	12	70	.050
	2N408+	PG 120	1	RCA,TAD	20	18	2.5	.070	.150	A	71A		AUD		14UA	12	65	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	2N409	PG 210	5	ETC	13	9	.5	.015	.080	A	71J		6.800	B	10UA 13	48	
-	2N409+	PG 55	40	RCA	13	10	.5	.015	.080	A	71A		6.800	B	10UA 13	48	
	2N410	PG 210	5	ETC	13	9	.5	.015	.080	A	71J		6.800	B	10UA 16	48	
-	2N410+	PG 120	1	RCA	13	10	.5	.015	.080	A	71A		6.800	B	10UA 13	48	
	2N411	PG 210	5	ETC	13	9	.5	.015	.080	A	71J		10.000	B	10UA 13	75	
-	2N411+	PG 55	40	RCA	13	10	.5	.015	.080	A	71A		10.000	B	10UA 13	75	
	2N412	PG 210	5	ETC	13	9	.5	.015	.080	A	71J		10.000	B	10UA 13	75	
-	2N412+	PG 120	1	RCA	13	10	.5	.015	.080	A	71A		10.000	B	10UA 13	75	
	2N413	PG 210	5	GEC,ETC,TAD	30	18	20.0	.200	.150	A	85A		3.000	B	5UA 12	40	
	2N413A	PG 210	5	ETC	30	15	20.0	.200	.150	A	85J		1.500	B	5UA 12	24	
	2N414	PG 210	5	GEC,RCA,TAD,ETC	30	15	20.0	.200	.150	A	85A		7.000	B	5UA 12	60	
	2N414A	PG 210	5	ETC	30	15	20.0	.200	.150	A	85J		2.000	B	5UA 12	60	
	2N414B	PG 210	5	ETC	30	15	20.0	.200	.200	A	85J		4.000	B	5UA 12	60	
	2N414C	PG 210	5	ETC	30	15	20.0	.200	.200	A	85J		4.000	B	5UA 12	60	
	2N415	PG 210	5	ETC	30	10	20.0	.200	.150	A	85J		5.000	B	5UA 12	80	
	2N415A	PG 210	5	ETC	30	10	20.0	.200	.150	A	85J		5.000	B	5UA 12	80	
	2N416	PG 210	5	ETC	30	12	20.0	.200	.150	A	85J		5.000	B	5UA 12	80	
	2N417	PG 210	5	ETC	30	10	20.0	.200	.150	A	85J		10.000	B	5UA 12	140	
	2N418	PG 605	3	SOL,ETC,HUG,KSC	75		15.0	5.000	25.000	C	100J		.004	E	2MA 60	80	4.000
	2N419	PG 605	3	SOL,ETC,HUG,KSC	40		15.0	3.000	25.000	C	100J		.006	E	1MA 25	56	4.420
	2N420	PG 605	3	SOL,ETC,HUG,KSC	40		15.0	5.000	25.000	C	100J		.004	E	1MA 25	80	4.000
	2N420A	PG 605	3	SOL,HUG,KSC	65		15.0	5.000	25.000	C	100J		.004	E	2MA 60	80	4.000
	2N422	PG 210	5	ETC,HUG	35	20	15.0	.100	.150	A	85J		.500	B	12UA 20	60	
	2N424	NS 731	53	AMF,TEC,TII,HUG,KSC,SEN	80	80R	10.0	3.000	85.000	C	200J		6.000	G	10MA 60	36	
	2N424A	NS 731	53	AMF,TEC,TII,HUG,KSC,SEN	80	80S	10.0	3.000	85.000	C	200J		2.000	B	10MA 60	36	
	2N425	PG 210	5	ETC,TAD	30	20	20.0	.400	.150	A	85A		2.500	B	25UA 30	20	.010
	2N426	PG 210	5	TAD,TII,ETC	30	18	20.0	.400	.150	A	85J		6.000	B	25UA 30	25	.010
	2N427	PG 210	5	TAD,TII,ETC	30	15	20.0	.400	.150	A	85J		11.000	B	25UA 20	25	.010
	2N428	PG 210	5	CSF,TII,TAD,ETC,HUG	30	12	20.0	.400	.150	A	85J		17.000	B	25UA 30	30	.010
	2N438	NG 210	5	ETC,TAD,TII	30	25	25.0	.400	.150	A	85J		2.500	B	10UA 25	25	
	2N438A	NG 210	5	TAD,ETC,GIC,TII	30	25	25.0	.400	.200	A	85J		2.500	B	10UA 25	25	
	2N439	NG 210	5	TII,TAD,ETC	30	25	25.0	.400	.150	A	85J		5.000	B	10UA 25	45	.050
	2N439A	NG 210	5	TAD,ETC,GIC	30	25	25.0	.400	.200	A	85J		5.000	B	10UA 25	45	.050
	2N440	NG 210	5	TII,TAD,ETC	30	20	25.0	.400	.150	A	85J		12.000	B	10UA 25	70	.050
	2N440A	NG 210	5	TAD,ETC,GIC	30	15	25.0	.400	.200	A	85J		12.000	B	10UA 25	70	5.000
	2N441	PG 405	36	DEL,MOT,ETC,SOL,HUG	40	40	20.0	15.000	150.000	C	100C		.010	E	4MA 40	30	5.000
	2N442	PG 405	36	DEL,MOT,ETC,SOL,HUG	50	45	30.0	15.000	150.000	C	100C		.010	E	4MA 50	30	5.000
	2N443	PG 405	36	DEL,MOT,ETC,SOL,HUG	60	50	40.0	15.000	150.000	C	100C		.010	E	4MA 60	30	5.000
	2N444	NG 210	5	ETC	15	15	10.0	.100	.180	A	85J		.500	B	6UA 10	20	
-	2N444+	NG 170	9	CBS	15	15	10.0	.100	.100	A	85J		.500	B	6UA 10	20	
	2N444A	NG 210	5	ETC	35	25	10.0		.150	A	100J		.500	B	4UA 5	30	.020
	2N445	NG 210	5	ETC	15	12	10.0	.100	.180	A	85J		2.000	B	6UA 10	40	
-	2N445+	NG 170	9	CBS	15	12	10.0	.100	.100	A	85J		2.000	B	6UA 10	40	
	2N445A	NG 210	5	ETC,GIC	25	18	10.0		.150	A	100J		2.000	B	4UA 5	80	.020
	2N446	NG 210	5	ETC	15	10	10.0	.100	.180	A	85J		5.000	B	6UA 10	60	
-	2N446+	NG 170	9	CBS	15	10	10.0	.100	.100	A	85J		5.000	B	6UA 10	60	
	2N446A	NG 210	5	ETC,GIC	25	15	10.0		.150	A	100J		5.000	B	4UA 5	120	.020
	2N447	NG 210	5	ETC	15	6	10.0		.100	A	85J		9.000	B	6UA 10	50	
-	2N447+	NG 295 A		GTC	45	24	12.0	.100	.075	A	85A		1.000	B	10UA 20	50	
	2N447A	NG 210	5	ETC,GIC	25	12	10.0		.150	A	100J		9.000	B	4UA 5	155	.020
	2N448	NG 210	5	ETC	15	15R		.020	.065	A	85J		2.500	B	5UA 15	34	
-	2N448+	NG 12 A		GEC	15	15		.020	.065	A	85A		5.000	B	5UA 15	30	
	2N449	NG 210	5	ETC	15	15		.020	.065	A	85J		8.000	B	5UA 15	68	.001
-	2N449+	NG 12 A		GEC	15	15		.020	.065	A	85A		8.000	B	5UA 15	70	
	2N450	PG 210	5	ETC	20	12	10.0	.125	.150	A	85J		5.000	B	6UA 12	60	
-	2N450+	PG 57 C		GEC	20	12	10.0	.125	.150	A	85J		5.000	B	6UA 12	130	
	2N456	PG 605	3	SOL,ETC,HUG,KSC	40	40X	20.0	5.000	50.000	C	100J		.200	G	2MA 40	20	5.000
	2N456A	PG 605	3	DEL,TII,SOL,ETC,MOT,HUG	40	30	20.0	7.000	150.000	C	100J		.200	G	500UA 20	60	5.000
	2N456B	PG 605	3	DEL,TII,SOL,ETC,HJG,KSC	40	30	30.0	7.000	150.000	C	100J		.200	G	500UA 20	56	5.000
	2N457	PG 605	3	SOL,ETC,HUG,KSC	60	60X	20.0	5.000	50.000	C	95C		.200	G	500UA 30	20	5.000
	2N457A	PG 605	3	DEL,TII,TIL,ETC,MOT,HUG	60	40	20.0	7.000	150.000	C	100J		.200	G	500UA 30	60	5.000
	2N457B	PG 605	3	DEL,TII,SOL,ETC,HJG,KSC	60	40	30.0	7.000	150.000	C	100J		.200	G	500UA 30	56	5.000
	2N458	PG 605	3	SOL,ETC,HUG,KSC	80	80X	20.0	5.000	50.000	C	100J		.200	G	500UA 40	20	5.000
	2N458A	PG 605	3	DEL,TII,SOL,ETC,MOT,HUG	80	45	20.0	7.000	150.000	C	100J		.200	G	500UA 40	60	5.000
	2N458B	PG 605	3	DEL,TII,SOL,ETC,HUG,KSC	80	45	30.0	7.000	150.000	C	100J		.200	G	500UA 40	56	5.000
	2N459	PG 605	3	MOT,ETC		60	10.0	5.000	106.000	C	110J		.005	E	500UA 25	38	2.000
	2N459A	PG 605	3	MOT,ETC	105	60	25.0	5.000	106.000	C	110J		.005	E	500UA 25	54	2.000
	2N460	PG 212	5	MOT,TSE,TAD,ETC	45	35	10.0	.400	.200	A	100J		1.200	B	15UA 45	26	
	2N461	PG 212	5	MOT,TAD,TSE,ETC	45	35R	10.0	.400	.200	A	100J		2.000	B	15UA 45	100	
-	2N462	PG 210	5	ETC	40		40.0	.200	.150	A	75J		.500	B	35UA 35	40	
	2N464	PG 210	5	MOT,ETC,TAD	40	40	12.0	.100	.150	A	85J		7.000	B	20UA 40	26	
	2N465	PG 210	5	MOT,ETC,TAD,GIC	40	30	12.0	.100	.150	A	85J		8.000	B	20UA 40	30	
	2N466	PG 210	5	MOT,ETC,TAD	35	20	12.0	.100	.150	A	85J		1.000	B	20UA 35	70	
	2N467	PG 210	5	MOT,TAD,TII,ETC	35	15	12.0	.100	.200	A	85J		1.200	B	20UA 35	140	
	2N470	NS 210	5	ETC,TEC,HUG,TII	15	15	2.0		.200	A	200J		18.000	G	500NA 15	18	
	2N471	NS 210	5	ETC,TEC,HUG,TII	30	30	2.0		.200	A	200J		18.000	G	500NA 30	18	
	2N471A	NS 210	5	ETC,TEC,HUG	30	30S	2.0		.200	A	175J		8.000	B	500NA 30	16	
	2N472	NS 210	5	TEC,ETC,HUG,TII	45	45	2.0	.050	.200	A	200J		18.000	G	500NA 45	18	
	2N472A	NS 210	5	ETC,TEC,HUG	45	45S	2.0		.200	A	175J		8.000	B	500NA 30	16	
	2N473	NS 210	5	TEC,ETC,HUG,TII	14	15	2.0	.050	.200	A	200J		18.000	G	500NA 15	36	
	2N474	NS 210	5	TEC,ETC,HUG,TII	30	30	2.0	.050	.200	A	100J		18.000	G	500NA 30	36	
	2N474A	NS 210	5	ETC,TEC,HUG	30	30S	2.0		.200	A	175J		8.000	B	500NA 30	15	.010
	2N475	NS 210	5	TEC,ETC,HUG,TII	45	45	2.0	.050	.200	A	200J		18.000	G	500NA 45	36	
	2N475A	NS 210	5	ETC,TEC,HUG	45	45S	2.0		.200	A	175J		8.000	B	500NA 45	15	.010
	2N478	NS 210	5	ETC,TEC,HUG,TII	15	15	2.0		.200	A	200J		25.000	G	500NA 15	60	
	2N479	NS 210	5	ETC,TEC,HUG,TII	30	30	2.0		.200	A	200J		25.000	G	500NA 30	60	
	2N479A	NS 210	5	ETC,TEC,HUG	30	30S	2.0		.200	A	175J		8.000	B	500NA 30	30	.010
	2N480	NS 210	5	ETC,TEC,TII	45	45	2.0		.200	A	200J		25.000	G	500NA 45	60	
	2N480A	NS 210	5	ETC,TEC,HUG	45	45S	2.0		.200	A	175J		8.000	B	500NA 45	30	.010
	2N481	PG 210	5	ETC	12	12	5.0	.020	.150	A	85J		1.500	B	10UA 12	50	
	2N482	PG 210	5	ETC	12	12	5.0	.020	.150	A	85J		1.500	B	10UA 12	60	
	2N483	PG 210	5	ETC	12	12	5.0	.020	.150	A	85J		3.000	B	10UA 12	80	
	2N484	PG 210	5	ETC	12	12	5.0	.020	.150	A	85J		5.000	B	10UA 12	90	
	2N485	PG 210	5	ETC	12	12	5.0	.020	.150	A	85J		5.000	B	10UA 12	50	
	2N486	PG 210	5	ETC	12	12	5.0	.050	.150	A	85J		9.000	B	10UA 12	100	
-	2N495	PS 120	1	SPR	25	25		.050	.150	A	140J				1UA 25	23	.001
	2N496	PS 120	1	HUG	10	10		.050	.150	A	140J				100NA 10	23	.015
	2N497	NS 211	5	GEC,SSP,TII,RAY,NSC,TEC	60	60	8.0	.200	.800	A	200J		60.000	G	10UA 30	20	.200
	2N497A	NS 211	5	GEC,SSP,TII,TEC,HUG	60	60	8.0	.500	1.000	A	200J		AUD		10UA 30	20	
	2N498	NS 211	5	GEC,SSP,TII,RAY,NSC,TEC	100	100	8.0	.200	.800	A	200J		60.000	G	10UA 30	20	.200
	2N498A	NS 211	5	GEC,SSP,TII,TEC,HUG	100	100	8.0	.500	1.000	A	200J		AUD		10UA 30	20	
	2N499	PG 120	1	ETC,SPR,MOT,HUG	30	18	.5	.050	.030	A	85J		120.000	G	15UA 15	40	
	2N499A	PG 120	1	ETC,SPR,MOT,HUG	30	18	.5	.050	.060	A	100J		120.000	G	15UA 15	40	
	2N500	PG 170	9	ETC	15	12S	2.0	.050	.060	A	100J		175.000	G	5UA 5	30	.010
	2N501	PG 120	1	SPR,ETC,HUG	15	12S	2.0	.050	.060	A	100J		120.000	G	5UA 5	30	.050
-	2N501/18	PG 211	18	SYL	15	12S	2.0	.050	.060	A	100J		50.000	G	10UA 15	40	
	2N501A	PG 120	1	SPR,ETC,HUG	15	12S	2.0	.050	.060	A	100J		175.000	G	5UA 5	45	.010
	2N502	PG 170	9	SPR,ETC,MOT,HUG	20	20	.5	.100	.060	A	100J		260.000	G	5UA 10	18	
	2N502A	PG 170	9	SPR,ETC,MOT,HUG	30	30	.5	.100	.075	A	100J		260.000	G	5UA 10	30	
	2N502B	PG 170	9	SPR,ETC,MOT,HUG	30	30	.5	.100	.075	A	100J		260.000	G	5UA 10	40	
	2N503	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.025	A	85J		168.000	G	5UA 10	15	
	2N504	PG 120	1	SPR,ETC,HUG	35	25S	1.0	.050	.040	A	85J		50.000	F	10UA 12	16	
	2N505	PG 210	5	ETC	40		40.0	.250	.125	A	85J		5.000	B	10UA 25	60	
	2N506	PG 210	5	ETC	40			.100	.050	A	85J		.600	B	15UA 30	50	
-	2N506+	PG 10	22	SYL	40			.100	.050	A	85J		.600	B	125UA 40	36	
-	2N507	NG 10	22	SYL	40			.100	.050	A	85J		.600	B	125UA 40	36	
	2N508	PG 212	5	GEC,TAD,ETC,MOT	18	16	5.0	.200	.200	A	85J		4.500	B	7UA 16	120	
	2N508A	PG 212	5	GEC,MOT	30	30	10.0	.200	.200	A	85J		2.500	B	7UA 25	120	.020
	2N511	PG 607	41	TIL,TII,ETC,SOL,HUG	40	30	30.0	25.000	150.000	C	100J		.250	G	5UA 40	40	
	2N511A	PG 607	41	TIL,TII,ETC,SOL,HUG	60	40	30.0	25.000	150.000	C	100J		.250	G	5UA 60	40	
	2N511B	PG 607	41	TIL,TII,ETC,SOL,HUG	80	45	30.0	25.000	150.000	C	100J		.250	G	5UA 80	40	
	2N512	PG 607	41	TIL,TII,ETC,HUG,SOL	40	30	30.0	25.000	150.000	C	100J		.270	G	5UA 40	40	
	2N512A	PG 607	41	SOL,TII,ETC,HUG,TIL	60	40	30.0	25.000	150.000	C	100J		.270	G	5UA 60	40	
	2N512B	PG 607	41	TIL,TII,ETC,HUG,SOL	80	45	30.0	25.000	150.000	C	100J		.270	G	5UA 80	40	
	2N513	PG 607	41	SOL,ETC,HUG,TIL	40	30	30.0	25.000	150.000	C	100J		.300	G	5UA 40	40	
	2N513A	PG 607	41	TIL,ETC,HUG,SOL	60	40	30.0	25.000	150.000	C	100J		.300	G	5UA 60	40	
	2N513B	PG 607	41	SOL,ETC,HUG,TIL	80	45	30.0	25.000	150.000	C	100J		.300	G	5UA 80	40	
	2N514	PG 607	41	TIL,ETC,SOL,HUG	40	30	30.0	25.000	150.000	C	100J		.430	G	5UA 40	40	
	2N514A	PG 607	41	TIL,ETC,SOL,HUG	60	40	30.0	25.000	150.000	C	100J		.430	G	5UA 60	40	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N514B	PG 607	41	TIL,ETC,SOL,HUG	80	45	30.0	25.000	150.000	C	100J	.430	G	5UA	80	40	
	2N515	NG 210	5	ETC		18R		.050	.100	A	100J	2.000	B	50UA	18	10	.010
-	2N515+	NG 10	22	SYL	18	18R		.010	.050	A	75J	2.000	B	50UA	18	10	
	2N516	NG 210	5	ETC		18R		.050	.100	A	100J	2.000	B	50UA	18	10	
-	2N516+	NG 10	22	SYL	18	18R		.010	.050	A	75J	2.000	B	50UA	18	14	
	2N517	NG 210	5	ETC		18R		.050	.100	A	100J	2.000	B	50UA	18	10	
-	2N517+	NG 10	22	SYL	18	18R		.010	.050	A	75J	2.000	B	50UA	18	18	
	2N518	PG 210	5	ETC	45		30.0	.125	.150	A	85J	6.000	B	10UA	25	60	
	2N519	PG 210	5	ETC	15	15	10.0	.200	.200	A	100J	.500	B	25UA	15	30	
	2N519A	PG 210	5	ETC,GIC	25	18	10.0		.150	A	100J	.500	B	25UA	20	30	.020
	2N520	PG 210	5	ETC,TII	15	12	10.0	.200	.200	A	100J	3.000	B	25UA	15	40	
	2N520A	PG 210	5	ETC,GIC,TII	25	15	10.0		.150	A	100J	3.000	B	25UA	20	90	.020
	2N521	PG 210	5	ETC	15	10	10.0	.200	.200	A	100J	8.000	B	25UA	15	70	
	2N521A	PG 210	5	ETC,GIC	25	12	10.0		.150	A	100J	8.000	B	25UA	20	160	.020
	2N522	PG 210	5	ETC	15	8	10.0	.200	.200	A	100J	15.000	B	25UA	15	130	
	2N522A	PG 210	5	ETC,GIC,TII	25	10	10.0		.150	A	100J	15.000	B	25UA	20	200	.020
	2N523	PG 210	5	ETC	15	6	10.0	.200	.200	A	100J	21.000	B	25UA	15	160	
	2N523A	PG 210	5	ETC,GIC	20	6	10.0		.150	A	100J	21.000	B	25UA	15	250	.020
	2N524	PG 212	5	CSF,GEC,MOT,ETC,TAD,TIL	45	30R	15.0	.500	.225	A	85J	2.500	B	10UA	30	30	
	2N524A	PG 211	5	MOT	45	30	15.0	.500	.225	A	100J	.800	B	10UA	30	34	.020
	2N525	PG 212	5	CSF,GEC,MOT,ETC,TAD,SES	45	30R	15.0	.500	.225	A	85J	3.000	B	10UA	30	44	
	2N525A	PG 211	5	MOT	45	30	15.0	.500	.225	A	100J	1.000	B	10UA	30	50	.020
	2N526	PG 212	5	CSF,GEC,MOT,ETC,TAD,SES	45	30R	15.0	.500	.225	A	85J	3.500	B	10UA	30	64	
	2N526A	PG 211	5	MOT	45	30	15.0	.500	.225	A	100J	1.300	B	10UA	30	72	.020
	2N527	PG 212	5	CSF,GEC,MOT,ETC,TAD,SES	45	30	15.0	.500	.225	A	85J	4.000	B	10UA	30	80	
	2N527A	PG 211	5	MOT	45	30	15.0	.500	.225	A	100J	1.500	B	10UA	30	96	.020
	2N529/N	NG 210	5	ETC	15	15	5.0		.100	A	85J	2.500	B	5UA	5	18	.001
	2N529/P	PG 210	5	ETC	15	15	5.0		.100	A	85J	2.500	B	5UA	5	18	.001
	2N530/N	NG 210	5	ETC	15	15	5.0		.100	A	85J	3.000	B	5UA	5	22	.001
	2N530/P	PG 210	5	ETC	15	15	5.0		.100	A	85J	3.000	B	5UA	5	22	.001
	2N531/N	NG 210	5	ETC	15	15	5.0		.100	A	85J	3.500	B	5UA	5	28	.001
	2N531/P	PG 210	5	ETC	15	15	5.0		.100	A	85J	3.500	B	5UA	5	28	.001
	2N532/N	NG 210	5	ETC	15	15	5.0		.100	A	85J	4.000	B	5UA	5	32	.001
	2N532/P	PG 210	5	ETC	15	15	5.0		.100	A	85J	4.000	B	5UA	5	32	.001
	2N533/N	NG 210	5	ETC	15	15	5.0		.100	A	85J	4.500	B	5UA	5	38	.001
	2N533/P	PG 210	5	ETC	15	15	5.0		.100	A	85J	4.500	B	5UA	5	38	.001
-	2N534	PG 116	23	PHL	50			.025	.025	A	65J	1.500	B	15UA	50	100	
	2N535	PG 210	5	ETC	20	20	20.0	.020	.050	A	85J	1.000	B	10UA	12	130	
	2N535A	PG 210	5	ETC	20	20	20.0	.020	.050	A	85J	1.000	B	10UA	12	130	
	2N535B	PG 210	5	ETC	20	20	20.0	.020	.050	A	85J	1.000	B	10UA	12	130	
	2N536	PG 210	5	ETC	20		20.0	.030	.050	A	85J	1.000	B	10UA	12	180	
-	2N536+	PG 116	23	PHL	20			.030	.050	A	85J	1.000	B	10UA	12	180	
	2N538	PG 427 A		SOL,HUG,KSC	80	60		3.500	30.000	C	100J	200.000	G	2MA	80	32	2.000
	2N538A	PG 427 A		SOL,HUG,KSC	80	60	28.0	3.500	34.000	C	100J	.200	G	2MA	80	34	2.000
	2N539	PG 427 A		SOL,HUG,KSC	80	55		3.500	30.000	C	100J	200.000	G	2MA	80	48	2.000
	2N539A	PG 427 A		SOL,HUG,KSC	80	55	28.0	3.500	34.000	C	100J	.200	G	2MA	80	50	2.000
	2N540	PG 427 A		SOL,HUG,KSC	80	55		3.500	30.000	C	100J	200.000	G	2MA	80	74	2.000
	2N540A	PG 427 A		SOL,HUG,KSC	80	55	28.0	3.500	34.000	C	100J	.200	G	2MA	80	74	2.000
	2N541	NS 210	5	ETC,TII,TEC	15	15	2.0		.200	A	200J	25.000	G	500NA	15	140	
	2N542	NS 210	5	ETC,TII,TEC,HUG	30	30	2.0		.200	A	200J	25.000	G	500NA	30	140	
	2N542A	NS 210	5	ETC,TEC,HUG	30	30S	2.0		.200	A	175J	8.000	B	500NA	30	60	.010
	2N543	NS 210	5	ETC,TII,TEC,HUG	45	45	2.0		.200	A	200J	25.000	G	500NA	45	140	
	2N543A	NS 210	5	ETC,TEC,HUG	45	45S	2.0		.200	A	175J	8.000	B	500NA	45	60	.010
-	2N544	PG 75	7	RCA	18		1.0	.010	.080	A	85J	30.000	B	4UA	12	80	
-	2N544/33	PG 217	33	SYL	24		1.0	.010	.080	A	100J	30.000	B	24UA	50	80	
	2N545	NS 210	5	SSP,TEC,HUG	60	60	6.0	.800	.600	A	200J	10.000	G	15UA	60	50	
	2N546	NS 210	5	SSP,TEC,HUG	60	60	6.0	.800	.600	A	200J	4.000	G	15UA	60	50	
	2N547	NS 210	5	SSP,ETC,TEC,HUG	60	60	6.0	.800	.600	A	200J	4.000	G	15UA	60	50	.200
	2N548	NS 210	5	SSP,ETC,TEC,HUG	30	30	6.0	.800	.600	A	200C	4.000	G	15UA	60	50	.200
	2N549	NS 210	5	SSP,ETC,TEC,HUG	60	60	6.0	.800	.600	A	200J	4.000	G	15UA	60	50	.200
	2N550	NS 210	5	ETC,TEC,HUG	30	30	6.0	.800	.600	A	200J	4.000	G	15UA	30	50	.200
	2N551	NS 210	5	SSP,ETC,TEC,HUG	60	60	6.0	.200	.600	A	200J	3.000	G	15UA	60	50	.050
	2N552	NS 211	5	TEC,ETC,TEC,HUG	30	30	6.0	.200	.600	A	200J	3.000	G	15UA	30	50	.050
	2N553	PG 605	3	SOL,ETC,HUG,KSC	80	40	40.0	4.000	50.000	C	95J	.025	E	2MA	60	70	
	2N554	PG 605	3	DEL,MOT,SOL,ETC,HUG	30	30	20.0	5.000	60.000	C	110J	.005	E	10MA	15	50	1.000
	2N555	PG 605	3	MOT,SOL,ETC,HUG	40	30	15.0	3.000	65.000	C	90J	.008	E	7MA	30	40	
-	2N556	NG 210	5	SYL	25	20R	10.0	.200	.100	A	85J			10UA	25	50	
	2N557	NG 210	5	ETC	25	20R	10.0	.200	.100	A	85J	MS SW		10UA	20	40	
	2N558	NG 210	5	ETC	15	15R	15.0	.200	.100	A	85J	MS SW		25UA	10	100	
	2N559	PG 210 J		MOT	15	15S	5.0	.050	.150	A	100J	300.000	G	3UA	5	54	.010
	2N560	NG 210	5	ETC,NSC,HUG	60	60S	8.0	.100	.600	A	200J			100NA	20	30	.100
	2N561	PG 605	3	SOL,ETC,HUG,KSC	80	50	60.0	10.000	50.000	C	100J	.005	E	500UA	20	32	4.000
	2N563	PG 210	5	ETC	30	25	10.0	.300	.150	A	85J	.400	B	5UA	10	20	
	2N564	PG 210	5	ETC	30	25	10.0	.300	.120	A	85J	.400	B	5UA	10	20	
	2N565	PG 210	5	ETC	30	25	10.0	.300	.150	A	85J	.500	B	5UA	10	36	
	2N566	PG 210	5	ETC	30	25	10.0	.300	.120	A	85J	.500	B	5UA	10	36	
	2N567	PG 210	5	ETC	30	25	10.0	.300	.150	A	85J	.700	B	50UA	10	60	
	2N568	PG 210	5	ETC	30	25	10.0	.300	.150	A	85J	.750	B	5UA	10	60	
	2N569	PG 210	5	ETC	30	15	10.0	.300	.150	A	85J	1.000	B	5UA	10	80	
	2N570	PG 210	5	ETC	30	15	10.0	.300	.120	A	85J	1.000	B	5UA	10	80	
	2N572	PG 210	5	ETC	30	15	10.0	.300	.120	A	85J	1.000	B	5UA	10	80	
	2N574	PG 480 A		SOL,HUG	60	55	28.0	10.000	187.000	C	100J	.100	G	7MA	60	15	10.000
	2N574A	PG 480 A		SOL,HUG	80	60	28.0	10.000	187.000	C	100J	.100	G	20MA	80	15	10.000
	2N575	PG 480 A		SOL,HUG	60	50	28.0	25.000	187.000	C	100J	.150	G	7MA	60	30	10.000
	2N575A	PG 480 A		SOL	80	55	28.0	25.000	187.000	C	100J	.150	G	20MA	80	30	10.000
	2N576	NG 212	5	ETC	20	50X	15.0	.400	.200	A	100J	8.000	B	10UA	25	35	.400
	2N576A	NG 212	5	ETC	40	40X	15.0	.400	.200	A	100J	10.000	B	40UA	40	35	.400
	2N578	PG 210	5	ETC	20	14	12.0	.400	.120	A	71J	3.000	B	5UA	12	15	.400
	2N578+	PG 170	9	TAD	20	14	12.0	.400	.120	A	71J	5.000	B	5UA	12	15	
	2N579	PG 210	5	ETC,GIC	20	14	12.0	.400	.120	A	71J	5.000	B	5UA	12	36	.400
	2N579+	PG 170	9	TAD	20	14	12.0	.400	.120	A	71J	8.000	B	5UA	12	30	
	2N580	PG 210	5	ETC,GIC	20	14	12.0	.400	.120	A	71J	10.000	B	5UA	12	44	.400
	2N580+	PG 170	9	TAD	20	14	12.0	.400	.120	A	71J	15.000	B	5UA	12	44	
	2N581	PG 210	5	RCA,TAD,ETC,TII	18	15	10.0	.100	.150	A	85A	4.000	B	10UA	12	30	.020
	2N582	PG 210	5	ETC,RCA,TAD,TII	25	14	12.0	.100	.150	A	85J	14.000	B	5UA	12	60	.024
	2N583	PG 210	5	ETC	18	15	10.0	.100	.120	A	85J	4.000	B	10UA	12	40	
-	2N583+	PG 120	1	RCA	18	15	10.0	.100	.120	A	85J	8.000	B	10UA	12	30	
	2N584	PG 210	5	ETC	25	14R	12.0	.100	.120	A	85J	14.000	B	5UA	12	60	.024
-	2N584+	PG 120	1	RCA	25	14	12.0	.100	.120	A	85J	18.000	B	5UA	12	60	
	2N585	NG 170	9	ETC,GIC	25	24	20.0	.200	.120	A	85J	3.000	B	8UA	12	30	.020
	2N585+	NG 210	5	RCA,TAD	25	15	20.0	.200	.120	A	85A	2.500	B	8UA	12	40	
	2N586	PG 210	5	ETC	45	25	12.0	.250	.250	A	85J	MS SW		16UA	45	60	
	2N587	NG 212	5	ETC,TAD,TII	40	30	40.0	.200	.200	A	100J	MS SW		10UA	40	30	.200
	2N588	PG 120	1	SPR,ETC,HUG	15	15S	.5	.050	.040	A	85J	200.000	F	15UA	15		
	2N588A	PG 120	1	HUG	15	15S	.5	.050	.060	A	85C	200.000	F			45	.010
	2N591	PG 210	5	ETC,RCA	32	32R		.040	.050	A	85J	.340	B	7UA	1	70	
-	2N591/5	PG 210	5	SYL	35	32R		.100	.055	A	85J	.700	B	7UA	1	70	
	2N591+	PG 120	1	RCA		32		.020	.050	A	71J	.700	B	7UA	1	70	
-	2N592	PG 174	9	GTC	20	20R	20.0		.150	A		.300	B	5UA	5	26	
-	2N593	PG 174	9	GTC	35	25R	35.0		.150	A		.400	B	5UA	5	30	
-	2N594	NG 174	9	GTC	20	20	20.0		.150	A		1.500	B	5UA	5	36	
-	2N595	NG 174	9	GTC	20	15	20.0		.150	A		.300	B	5UA	5	50	
-	2N596	NG 174	9	GTC	20	10	20.0		.150	A		.500	B	5UA	5	70	
	2N597	PG 211	5	ETC,GIC	45	40R	45.0	.400	.250	A	100J	3.000	B	8UA	15	80	.100
-	2N597+	PG 171	9	PHL	45	40S	45.0	.050	.250	A	100J	3.000	B	25UA	45	70	
	2N598	PG 211	5	ETC,GIC	35	35R	30.0	.500	.250	A	100J	5.600	B	8UA	15	140	.100
	2N599	PG 211	5	ETC,GIC	30	20R	20.0	.500	.250	A	100J	12.000	B	8UA	15	160	.100
	2N600	PG 211 S		GIC	35	35S	30.0		.750	A		5.000	G	5UA	2	126	.100
	2N601	PG 211 S		GIC	30	20S	20.0		.750	A		10.000	G	5UA	2	150	.100
-	2N602	PG 210	5	SYL	20	20	1.0		.120	A	85J	10.000	G	25UA	30	40	
-	2N603	PG 210	5	GTC	30	20	1.0		.120	A	85J	30.000	G	20UA	30	50	
-	2N604	PG 210	5	GTC	30	20	2.0		.120	A	85J	50.000	G	20UA	30	70	
-	2N605	PG 170	9	GTC	15	15			.120	A	85J	AM RF		10UA	12	70	
-	2N606	PG 170	9	GTC	15	15			.120	A	85J	AM RF		10UA	12	100	
-	2N607	PG 170	9	GTC	15	15			.120	A	85J	AM RF		10UA	12	120	
-	2N608	PG 170	9	GTC	15	15			.120	A	85J	AM RF		10UA	12	150	
	2N609	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J	AUD		15UA	20	90	.100
	2N610	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J	AUD		15UA	20	65	.100
	2N611	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J	AUD		15UA	20	45	.100

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.					
	2N612	PG 210	5	ETC	25	20	10.0	.150	.180	A	85J	.300	B	15UA	20	24	
	2N613	PG 210	5	ETC	25	20	10.0	.200	.180	A	85J	.500	B	15UA	20	32	
	2N614	PG 210	5	ETC	20	15	10.0	.150	.125	A	85J	1.500	B	6UA	20	32	
	2N615	PG 210	5	ETC	20	15	10.0	.150	.125	A	85J	3.000	B	6UA	20	45	
	2N616	PG 210	5	ETC	15	12	10.0	.150	.125	A	85J	6.000	B	6UA	15	450	
	2N617	PG 210	5	ETC	15	12	10.0	.150	.125	A	85J	5.000	B	5UA	15	105	
	2N618	PG 605	3	SOL,MOT,ETC,HUG,KSC	80	60S	12.0	3.000	90.000	C	100J	.005	E	3MA	60	90	1.000
-	2N623	PG 210	5	TII	30	15	1.0	.020	.040	A	85J	90.000	B	10UA	20	36	
-	2N624	PG 217	33	SYL	30	20S		.010	.100	A	100J	20.000	B	10UA	5	40	
-	2N625	NG 173	8	SYL	40	30S	30.0	.500	2.000	A	100J	MS SW		100UA	40	60	
	2N627	PG 607	41	MOT,SOL,HUG,KSC	40	30S	20.0	10.000	90.000	C	100J	.005	E	20MA	40	20	9.900
	2N628	PG 607	41	MOT,SOL,HUG,KSC	60	45S	30.0	10.000	90.000	C	100J	.005	E	20MA	60	20	9.900
	2N629	PG 607	41	MOT,SOL,HUG,KSC	80	60S	40.0	10.000	90.000	C	100J	.005	E	20MA	80	20	9.900
	2N630	PG 607	41	MOT,SOL,HUG,KSC	100	75S	50.0	10.000	90.000	C	100J	.005	E	20MA	100	20	9.900
	2N631	PG 210	5	ETC	25	16	6.0	.200	.170	A	85J	.600	B	25UA	20	150	
	2N632	PG 210	5	ETC	30	20	6.0	.200	.150	A	85J	.500	B	25UA	20	100	
	2N633	PG 210	5	ETC	35	20	6.0	.200	.150	A	85J	.400	B	25UA	20	60	
	2N634	NG 212	5	ETC	20	20R	15.0	.300	.150	A	85J	5.000	B	5UA	5	30	.200
	2N634A	NG 212	5	ETC,TAD,TII	25	20R	25.0	.300	.150	A	85J	5.000	B	6UA	25	40	.200
	2N635	NG 212	5	ETC	20	20R	15.0	.300	.150	A	85J	10.000	B	5UA	5	50	.200
	2N635A	NG 212	5	ETC,TAD,TII	25	20R	25.0	.300	.150	A	85J	10.000	B	6UA	25	80	.200
	2N636	NG 212	5	ETC	20	15R	15.0	.300	.150	A	85J	15.000	B	5UA	5	70	.200
	2N636A	NG 212	5	ETC,TII	25	15R	25.0	.300	.150	A	85J	15.000	B	6UA	25	100	.200
	2N637	PG 605	3	SOL,ETC,HUG,KSC	60	30	15.0	5.000	90.000	C	110J	.004	E	10MA	100	40	3.000
	2N637A	PG 605	3	SOL,ETC,HUG,KSC	90	55	15.0	5.000	90.000	C	100J	.004	E	200UA	2	46	3.000
	2N637B	PG 605	3	SOL,ETC,HUG,KSC	100	65	15.0	5.000	90.000	C	100J	.004	E	200UA	2	46	3.000
	2N638	PG 605	3	SOL,ETC,HUG,KSC	60	30	15.0	5.000	90.000	C	100J	.004	E	200UA	2	30	3.000
	2N638A	PG 605	3	SOL,ETC,HUG,KSC	90	55	15.0	5.000	90.000	C	100J	.004	E	200UA	2	30	3.000
	2N638B	PG 605	3	SOL,ETC,HUG,KSC	100	60	15.0	5.000	90.000	C	100J	.004	E	200UA	2	30	3.000
	2N639	PG 605	3	ETC,KSC	25	40R	1.5	5.000	25.000	C	100J			1MA	25	22	3.000
	2N639A	PG 605	3	ETC	60	70R	1.5	5.000	25.000	C	100J			1MA	60	22	3.000
	2N639B	PG 605	3	ETC	60	80R	1.5	5.000	25.000	C	100J			1MA	60	22	3.000
-	2N640	PG 75	7	RCA	34		1.1	.010	.080	A	71J	40.000	B	5UA	12	60	
-	2N641	PG 75	7	RCA	34		1.0	.010	.080	A	71J	40.000	B	7UA	12	60	
-	2N642	PG 75	7	RCA	34		1.0	.010	.080	A	71J	40.000	B	7UA	12	60	
-	2N643	PG 171	9	RCA	30	29	2.0	.100	.120	A	71A	30.000	G	10UA	7	44	
-	2N644	PG 217	12	RCA	30		1.0	.100	.120	A	71A	40.000	G	10UA	7	40	
-	2N645	PG 217	12	RCA	30		1.0	.100	.120	A	71A	60.000	G	10UA	7	40	
	2N647	NG 210	5	RCA	25		12.0	.050	.100	A	71A	AUD		14UA	25	70	
	2N649	NG 120	1	RCA	20	18	2.5	.050	.100	A	71A	AUD		14UA	12	65	
	2N650	PG 210	5	MOT,TAD,ETC	45	30	30.0	.500	.200	A	100J	1.500	B	50UA	45	50	
	2N650A	PG 210	5	ETC,MOT	45	30	30.0	.500	.200	A	100J	.750	B	50UA	45	50	
	2N651	PG 210	5	MOT,ETC,TAD	45	30	30.0	.500	.200	A	100J	2.000	B	50UA	45	80	
	2N651A	PG 210	5	ETC,MOT	45	30	30.0	.500	.200	A	100J	1.000	B	50UA	45	76	
	2N652	PG 210	5	MOT,ETC,TAD	45	30	30.0	.500	.200	A	100J	2.500	B	50UA	45	120	
	2N652A	PG 210	5	ETC,MOT	45	30	30.0	.500	.200	A	100J	1.250	B	50UA	45	120	
	2N653	PG 210	5	MOT,ETC,TAD	30	25R	25.0	.500	.200	A	100J	1.500	B	15UA	30	44	
	2N654	PG 210	5	ETC	30	25R	25.0	.250	.200	A	100J	2.000	B	15UA	25	80	
	2N654+	PG 170	9	MOT,TAD	30	25	15.0	.250	.200	A	100J	2.500	B	15UA	25	90	
	2N655	PG 210	5	ETC	30	25R	25.0	.250	.200	A	100J	2.500	B	15UA	25	140	
	2N655+	PG 170	9	MOT,TAD	30	25	15.0	.250	.200	A	100J	3.000	B	15UA	25	160	
	2N656	NS 211	5	GEC,SSP,RAY,TRW,TII,ETC	60	60	8.0	.200	.800	A	200J	70.000	B	10UA	20	60	.200
	2N656A	NS 211	5	FSC,GEC,SSP,ETC,NSC,TII	60	60	8.0	.500	.800	A	200J	AUD		10UA	30	60	
	2N657	NS 211	5	GEC,SSP,RAY,TRW,TII,ETC	100	100	8.0	.200	.800	A	200J	20.000	B	10UA	30	60	.200
	2N657A	NS 211	5	GEC,SSP,ETC,NSC,TII,TEC	100	100	8.0	.500	.800	A	200J	AUD		10UA	30	60	
	2N658	PS 210	5	TAD,TII,ETC	30	18	12.0	1.000	.200	A	100J	5.000	B	5UA	12	40	
	2N659	PS 210	5	TAD,TII,ETC	30	16	12.0	1.000	.200	A	100J	10.000	B	5UA	12	60	
	2N660	PG 210	5	TAD,TII,ETC	30	14	12.0	1.000	.200	A	100J	15.000	B	5UA	12	100	
	2N661	PG 210	5	TAD,TII,ETC	30	9	12.0	1.000	.200	A	100J	20.000	B	5UA	12	120	
	2N662	PG 210	5	TAD,TII,ETC	30	14	12.0	1.000	.200	A	100J	8.000	B	5UA	12	70	
	2N663	PG 605	3	ETC,HUG,KSC,SOL	50	25	20.0	4.000	35.000	C	100J	.015	E	4MA	50	50	
	2N665	PG 605	3	SOL,MOT,ETC,HUG,KSC	80		40.0	5.000	35.000	C	100J	.020	E	50UA	2	60	.500
	2N669	PG 605	3	DEL,MOT,SOL,ETC,HUG,KSC	40		10.0	3.000	40.000	C	100J	.003	E	65UA	2	90	.500
-	2N670	PG 172 A		PHL	40			2.000	.300	C	85J	.500	B	75UA	12	80	
-	2N671	PG 172	26	PHL	40			2.000	1.000	C	85J	.500	B	75UA	12	80	
-	2N672	PG 172 A		PHL	25			2.000	.300	C	85J	AUD		75UA	12	40	
-	2N673	PG 172	26	PHL	25			2.000	1.000	C	85J	AUD		75UA	12	40	
	2N677	PG 605	3	ETC,SOL,HUG,KSC	50	20	10.0	15.000	90.000	C	100J	.004	E	2MA	15	40	10.000
	2N677A	PG 605	3	ETC,SOL,HUG,KSC	60	30	15.0	15.000	90.000	C	100J	.004	E	2MA	25	40	10.000
	2N677B	PG 605	3	ETC,SOL,HUG,KSC	90	60	15.0	15.000	90.000	C	100J	.004	E	2MA	60	40	10.000
	2N677C	PG 605	3	ETC,SOL,HUG	100	70	15.0	15.000	90.000	C	100J	.004	E	2MA	60	40	10.000
	2N678	PG 605	3	ETC,SOL,HUG,KSC	50	20	10.0	15.000	90.000	C	100J	.004	E	2MA	15	74	10.000
	2N678A	PG 605	3	ETC,SOL,HUG,KSC	60	30	15.0	15.000	90.000	C	100J	.004	E	2MA	25	74	10.000
	2N678B	PG 605	3	ETC,SOL,HUG,KSC	90	60	15.0	15.000	90.000	C	100J	.004	E	2MA	60	74	10.000
	2N678C	PG 605	3	ETC,SOL,HUG	100	70	15.0	15.000	90.000	C	100J	.004	E	2MA	60	74	10.000
	2N679	NG 210	5	ETC	25	20R	15.0	.200	.150	A	85J	2.000	B	25UA	25	40	.030
	2N680	PG 210	5	ETC			20.0	.100	.150	A	85J	AUD		14UA	20	30	
-	2N695	PG 217	17	MOT	15	15	3.5	.050	.075	A	100J	250.000	G	3UA	6	40	
	2N696	NS 211	5	ITT,TII,GIC,RAY,SES,ETC	60	40R	5.0		.600	A	175A	40.000	G	1UA	30	30	.150
	2N697	NS 211	5	ITT,TII,GIC,RAY,SES,ETC	60	40R	5.0		.600	A	175A	40.000	G	1UA	30	80	.150
	2N698	NS 211	5	RAY,TII,TRW,SES,TEC,HUG	120	60	7.0		.800	A	200A	40.000	G	5NA	75	30	
	2N699	NS 211	5	TRW,TII,GIC,RCA,SES,ETC	120	80R	5.0		.600	A	175A	40.000	G	2UA	60	80	.150
	2N699A	NS 211	5	RAY,NSC,ETC,HUG	120	80R	5.0		.800	A	175J	50.000	G	1MA	60	80	
	2N699B	NS 211	5	TRW,RAY,FSC	120	80	7.0		.800	A	200J	60.000	G	10NA	90	80	.010
	2N700	PG 217	17	MOT	25	20	.2	.050	.075	A	100J	500.000	G	2UA	6	10	
-	2N700/18	PG 217	72	SYL	25	20	.2	.050	.075	A	100J	270.000	G	2UA	6	6	
	2N700A	PG 217	17	MOT	25	25	.2	.050	.075	A	100J	1000.000	G	2UA	6	50	
	2N702	NS 210	18	TRW,NSC,MOT	25	25	5.0	.050	.300	A	175J	150.000	G	500NA	10	40	
	2N703	NS 210	18	TRW,GIC,NSC,MOT,FSC	25	25	5.0	.050	.300	A	175J	150.000	G	500NA	10	70	
	2N705	PG 211	18	MOT,TII,TIL	15	15S	3.5	.050	.300	A	100A	300.000	B	3UA	5	40	
	2N705A	PG 211	18	HUG	15	15S			.150	A	100J					37	.010
	2N706	NS 211	18	ITT,HUG,RCA,RAY,MOT,SES	25	20R	3.0	.200	.300	A	175A	200.000	G	5UA	15	40	.010
-	2N706/46	NS 210	46	SYL	25	20R	3.0	.200			175J	200.000	G	500NA	15	40	
-	2N706/51	NS 909	51	SYL	25	20R	3.0	.200			175J	200.000	G	500NA	15	40	
	2N706A	NS 211	18	ITT,RCA,SES,ETC,TII,GIC	25	15R	5.0	.200	.300	A	175A	200.000	G	5UA	15	40	.010
-	2N706A/46	NS 210	46	SYL	25	15	5.0	.200			175J	200.000	G	500NA	15	40	
-	2N706A/51	NS 909	51	SYL	25	15	5.0	.200			175J	200.000	G	500NA	15	40	
	2N706B	NS 211	18	RAY,ITT,MOT,GIC,TII,TEC	25	15R	5.0	.200	.300	A	175A	200.000	G	5UA	15	40	.010
-	2N706B/46	NS 210	46	SYL	25	15	5.0	.200			175J	200.000	G	500NA	15	40	
-	2N706B/51	NS 909	51	SYL	25	15	5.0	.200			175J	200.000	G	500NA	15	40	
	2N706C	NS 211	18	RAY,GIC	40	15R	5.0	.200	.360	A	200A	200.000	G	5UA	15	40	.010
	2N707	NS 211	18	MOT,ETC	56	28R	4.0		.300	A	175J	70.000	G	5UA	15	12	.010
	2N707A	NS 211	18	MOT,ETC	70	40	5.0		.500	A	175J	70.000	G	1UA	30	22	.010
	2N708	NS 211	18	RAY,MOT,AMP,ITT,GEC,TII	40	15	5.0		.360	A	200J	300.000	G	25NA	20	60	.010
-	2N708/46	NS 211	46	SYL	40	15R	5.0		.400	A	200J	300.000	G	25UA	20	80	
-	2N708/51	NS 910	51	SYL	40	15R	6.0		.400	A	200J	300.000	G	25UA	20	80	
	2N708A	NS 210	18	GIC	50	30	5.0		.360	A		300.000	G			70	.010
	2N709	NS 211	18	FSC,RCA,RAY,TEC,TII,MOT	15	6	4.0	.100	.300	A	200J	600.000	G	50NA	5	70	.010
	2N709A	NS 211	18	TEC,HUG	15	6	4.0		.300	A	200J	800.000	G	50NA	5	60	.010
	2N710	PG 211	18	TII	15	15S	2.0	.050	.150	A	100J	300.000	B	3UA	5	40	
	2N711	PG 211	18	TII,MOT,TIL	12		1.0	.100	.150	A	100J	200.000	B	3UA	5	60	.010
	2N711A	PG 211	18	TII,MOT,TIL	15	7	1.5	.100	.150	A	100J	200.000	B	2UA	5	60	.010
	2N711B	PG 211	18	TII,MOT,TIL	18	7	2.0	.100	.150	A	100J	200.000	B	2UA	5	70	.010
	2N717	NS 211	18	TRW,RAY,TII,SES,ETC,TEC	60	40R	5.0		.400	A	100J	40.000	G	1UA	30	40	.150
	2N718	NS 211	18	AMC,ITT,RAY,TII,TRW,MOT	60	40R	5.0		.400	A	200J	60.000	G	1UA	30	80	.150
	2N718A	NS 211	18	TII,MOT,TRW,RCA,SES,ETC	75	32R	7.0		.500	A	200J	60.000	G	10NA	60	80	.150
	2N719	NS 211	18	TRW,RAY,TII,SES,ETC,TEC	120	80R	5.0		.400	A	175J	40.000	G	2UA	60	40	.150
	2N719A	NS 211	18	AMC,TII,TRW,SES,ETC,FSC	120	60R	7.0		.400	A	200J	40.000	G	10NA	75	40	.150
	2N720	NS 211	18	TRW,RAY,TII,SES,ETC,TEC	120	80R	5.0		.400	A	175J	60.000	G	2UA	60	80	
	2N720A	NS 211	18	AMC,GEC,HUG,RAY,TRW,TII	120	80	7.0		.400	A	200J	60.000	G	10NA	90	80	
	2N721	PS 211	18	RAY,TII,TEC,MOT,HUG,FSC	50	50R	5.0		.400	A	175J	50.000	G	1UA	30	26	.150
	2N721A	PS 211	18	HUG	50	50R	5.0		.500	A	200J	50.000	G	100NA	30	26	.150
	2N722	PS 211	18	HUG,MOT,ETC,RAY,NSC,TII	50	35	5.0		.400	A	175J	60.000	G	1UA	30	60	.150
	2N722A	PS 211	18	HUG	50	35	5.0		.500	A	200J	60.000	G	100UA	50	50	
-	2N725	PG 211	18	GEC	15		2.0	.050	.150	A	100J	600.000	G	3UA	5	40	
	2N726	PS 211	18	TEC,TIL	20	20	5.0		.300	A	175J	200.000	G	10UA	25	30	
	2N727	PS 211	18	TII,TEC,TIL	25	20	5.0		.300	A	175J	140.000	G	1UA	25	74	
	2N728	NS 210	18	TEC,HUG	15	15	3.0		.600	A	175J	100.000	G	5UA	15	40	
	2N729	NS 210	18	TEC,HUG	15	15	3.0		.600	A	175J	100.000	G	5UA	15	40	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Cutoff		Gain
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.	Condition	I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	2N730	NS 211	18	TII,ETC,RAY,NSC,TEC,HUG	60	40R	5.0		.500	A 175J	40.000 G	1UA	30	40
	2N731	NS 211	18	TII,ETC,RAY,NSC,TEC,HUG	60	40R	5.0		.500	A 175J	50.000 G	1UA	30	80
	2N734	NS 211	18	TII,TRW,ETC,SOL,TEC,HUG	80	60	5.0	.500	.500	A 175J	60.000 G	1UA	40	40
	2N734A	NS 211	18	SOL	80	60	6.0	.050	.400	A 200J	30.000 G	5NA	50	32 .005
	2N735	NS 211	18	TII,TRW,ETC,NSC,SOL,TEC	80	60	5.0	.500	.500	A 175J	60.000 G	1UA	40	80
	2N735A	NS 210	18	ETC,NSC,SOL,HUG	80	60	6.0		.400	A 200J	60.000 G	5NA	50	60
	2N736	NS 211	18	TII,TRW,ETC,NSC,SOL,TEC	80	60	5.0	.500	.500	A 175J	60.000 G	1UA	40	100 .005
	2N736A	NS 211	18	TII,ETC,NSC,SOL	80	60	8.0	.100	.500	A 175J	100.000 G	500NA	40	110 .005
	2N736B	NS 210	18	SSD,ETC,SOL,HUG	80	60	8.0		.400	A 200J	100.000 G	5NA	50	130 .005
	2N738	NS 211	18	AMC,TII,ETC,SOL,TEC	125	80	5.0		.500	A 175J	60.000 G	1UA	40	40 .005
	2N738A	NS 211	18	SOL	125	80	8.0	.050	.400	A 200J	30.000 G	5NA	50	32 .005
	2N739	NS 211	18	AMC,TII,ETC,SOL,TEC,MOT	125	80	5.0		.500	A 175J	60.000 G	1UA	40	80 .005
	2N739A	NS 210	18	SOL,HUG	125	80	8.0		1.800	A 200J	60.000 G	5NA	80	60 .005
	2N740	NS 211	18	AMC,TII,ETC,SOL,SSD,TEC	125	80	5.0		.500	A 175J	60.000 G	1UA	40	130 .005
	2N740A	NS 210	18	SSD,SOL,HUG	125	80	8.0		.500	A 200J	100.000 G	5NA	80	120 .005
	2N741	PG 211	18	MOT	15	15	1.0	.100	.150	A 100J	300.000 G	3UA	6	24
	2N741A	PG 211	18	MOT	20	20	1.0	.100	.150	A 100J	300.000 G	3UA	6	24
	2N742	NS 210	18	NSC,ETC	60		8.0		.500	A 200J	100.000 G	100NA	20	50
	2N743	NS 211	18	ITT,TII,GIC,AMP,SES,RAY	20	12	5.0	.200	.300	A 175J	300.000 G	1UA	20	40 .010
	2N743A	NS 211	18	RAY	40	15	5.0		.360	A 200J	500.000 G	1UA	20	40 .010
	2N744	NS 211	18	ITT,RAY,TII,GIC,MOT,AMP	20	12	5.0	.200	.300	A 175J	300.000 G	1UA	20	80 .010
	2N744A	NS 211	18	RAY	40	15	5.0		.360	A 200J	500.000 G	1UA	20	60 .010
	2N753	NS 211	18	ITT,MOT,GIC,AMP,SES,ETC	25	15	5.0	.050	.300	A 175J	200.000 G	10UA	25	80 .005
	2N754	NS 210	18	TEC,HUG	60	80			.300	A	35.000 G	1UA	60	40 .005
	2N755	NS 210	18	TEC,HUG	100	80			.300	A	35.000 G	1UA	100	40 .005
	2N756	NS 210	18	SOL,TEC,HUG	45	45	6.0		.500	A 200J	50.000 G	200NA		17 .001
	2N756A	NS 210	18	SOL,TEC	60	60	6.0		.500	A 200J	50.000 G	100NA		17 .001
	2N757	NS 210	18	SOL,TEC,HUG	45	45	6.0		.500	A 200J	50.000 G	200NA		28 .001
	2N757A	NS 210	18	SOL,TEC,HUG	60	60	6.0		.500	A 200J	50.000 G	100NA		28 .001
	2N758	NS 210	18	SOL,TEC,HUG	45	45	8.0		.500	A 200J	50.000 G	200NA		40 .001
	2N758A	NS 210	18	SOL,TEC,HUG	60	60	8.0		.500	A 200J	50.000 G	100NA		40 .001
	2N758B	NS 211	18	SOL,HUG	60	60	8.0	.100	.400	A 200J	50.000 G	5NA	45	18 .001
	2N759	NS 211	18	NSC,SOL,TEC,HUG	45	45	8.0	.100	.500	A 200J	50.000 B	2UA	30	50 .001
	2N759A	NS 211	18	NSC,SOL,SSD,TEC,HUG	60	60	8.0	.100	.500	A 200J	50.000 B	100NA	30	50 .001
	2N759B	NS 210	18	SOL,HUG	60	60	8.0		.500	A 200J	50.000 B	5NA	45	45
	2N760	NS 211	18	AMC,NSC,RAY,ITT,SOL,TEC	45	45	8.0		.500	A 200J	50.000 B	200NA	30	100
	2N760A	NS 211	18	AMC,RAY,ITT,NSC,SOL,SSD	60	60	8.0		.500	A 200J	50.000 B	100NA	30	150
	2N760B	NS 210	18	SSD,SOL,HUG	60	60	8.0		.500	A 200J	50.000 B	5NA	45	150
	2N761	NS 210	5	NSC	50	30	6.0	.100	.500	A 200J	5.000 B	200NA	50	36
	2N762	NS 210	5	NSC	50	30	6.0	.100	.500	A 200J	5.000 B	200NA	50	400
	2N768	PG 210	18	SPR,HUG	12	10	1.5	.100	.035	A 100J	125.000 G	3UA	5	40
	2N769	PG 210	18	SPR,HUG	12	7	2.0	.100	.035	A 100J	500.000 G	3UA	5	50
	2N779A	PG 210	18	SPR,MOT,HUG	15	15S	2.0	.100	.060	A 100J	320.000 G	3UA	5	120
	2N780	NS 211	18	AMC,ETC	45	45	5.0		.300	A 175J	60.000 G	10NA	40	70
-	2N781	PG 211	18	SYL	15		2.5	.200	.150	A 100J		3UA	5	50
-	2N782	PG 211	18	SYL	12		1.0	.200	.150	A 100J	HS SW	3UA	5	40
	2N783	NS 211	18	ITT,ETC,RAY,FSC	40	20R	5.0	.200	.300	A 175J	200.000 G	250NA	25	40 .010
	2N784	NS 211	18	RAY,ITT,ETC,HUG	30	15R	5.0	.200	.300	A 175J	200.000 G	250NA	25	50 .010
	2N784A	NS 211	18	RAY,ETC	40	15R	5.0	.200	.360	A 200J	300.000 G	25NA	25	70 .010
-	2N784A/46	NS 211	46	SYL	40	15	5.0	.200	.300	A 200J	200.000 G	25NA	25	70
-	2N784A/51	NS 910	51	SYL	40	15	5.0	.200	.300	A 200J	200.000 G	25NA	25	70
	2N794	PG 210	18	SPR,HUG	13	12	1.0	.100	.120	A 100J	25.000 G	3UA	6	60 .010
	2N795	PG 210	18	SPR,HUG	13	12	4.0	.100	.120	A 100J	35.000 G	3UA	6	60
	2N796	PG 210	18	SPR,HUG	13	12	4.0	.100	.120	A 100J	25.000 G	3UA	6	100
	2N797	NG 211	18	TII	20	7	4.0	.150	.150	A 100J	600.000 G	1UA	10	80
-	2N799	PG 295 A		RAY	25		12.0	.100	.075	A 85J	4.000 B	5UA	12	40
-	2N800	PG 315 A		RAY	25		12.0	.100	.075	A 85J	4.000 B	5UA	12	40
-	2N801	PG 295 A		RAY	30	18	20.0	.400	.075	A 85J	3.000 B	25UA	30	20
-	2N802	PG 315 A		RAY	30	18	20.0	.400	.075	A 85J	3.000 B	25UA	30	20
-	2N803	PG 295 A		RAY	30	15	20.0	.400	.075	A 85J	5.000 B	25UA	30	22
-	2N804	PG 315 A		RAY	30	15	20.0	.400	.075	A 85J	5.000 B	25UA	30	24
-	2N805	PG 295 A		RAY	30	12	20.0	.400	.075	A 85J	10.000 B	25UA	30	34
-	2N806	PG 315 A		RAY	30	12	20.0	.400	.075	A 85J	10.000 B	25UA	30	34
-	2N807	PG 295 A		RAY	25	14	12.0	.100	.075	A 85J	14.000 B	5UA	12	70
-	2N808	PG 315 A		RAY	25	14	12.0	.100	.075	A 85J	14.000 B	5UA	12	70
-	2N809	PG 295 A		RAY	30	15	20.0	.200	.075	A 85J	7.000 B	5UA	12	60
-	2N810	PG 315 A		RAY	30	15	20.0	.200	.075	A 85J	7.000 B	5UA	12	60
-	2N811	PG 295 A		RAY	30	12	20.0	.200	.075	A 85J	10.000 B	5UA	12	80
-	2N812	PG 315 A		RAY	30	12	20.0	.200	.075	A 85J	10.000 B	5UA	12	80
-	2N813	PG 295 A		RAY	30	10	20.0	.200	.075	A 85J	20.000 B	5UA	12	140
-	2N814	PG 315 A		RAY	30	10	20.0	.200	.075	A 85J	20.000 B	5UA	12	140
-	2N815	NG 295 A		RAY	25	20	15.0	.200	.075	A 85J	5.000 B	10UA	25	70
-	2N816	NG 315 A		RAY	25	20	15.0	.200	.075	A 85J	5.000 B	10UA	25	70
-	2N817	NG 295 A		RAY	30	25	25.0	.200	.075	A 85J	2.500 B	10UA	25	30
-	2N818	NG 315 A		RAY	30	25	25.0	.200	.075	A 85J	2.500 B	10UA	25	30
-	2N819	NG 295 A		RAY	30	20	25.0	.400	.075	A 85J	5.000 B	10UA	25	50
-	2N820	NG 315 A		RAY	30	20	25.0	.400	.075	A 85J	5.000 B	10UA	25	50
-	2N821	NG 295 A		RAY	30	15	25.0	.400	.075	A 85J	10.000 B	10UA	25	70
-	2N822	NG 315 A		RAY	30	15	25.0	.400	.075	A 85J	10.000 B	10UA	25	70
-	2N823	NG 295 A		RAY	25	24	12.0	.100	.075	A 85J	4.000 B	5UA	12	70
-	2N824	NG 315 A		RAY	25	24	12.0	.100	.075	A 85J	4.000 B	5UA	12	70
-	2N825	PG 295 A		RAY	30	20	20.0	.200	.075	A 85J	5.000 B	6UA	20	30
-	2N826	PG 315 A		RAY	30	20	20.0	.200	.075	A 85J	5.000 B	6UA	20	30
	2N827	PG 210	18	MOT	20	10X	4.0	.100	.150	A 100J	250.000 G	5UA	15	150 .010
	2N828	PG 211	18	MOT	15		2.5	.200	.150	A 100J	300.000 G	3UA	6	40
	2N828A	PG 211	18	MOT	15	6	2.5	.200	.150	A 100J	300.000 G	3UA	6	38 .150
	2N829	PG 211	18	MOT	15	6	2.5	.200	.150	A 100J	300.000 G	3UA	6	75 .150
	2N834	NS 211	18	ITT,SES,MOT,GIC,RAY,TEC	40	30	5.0	.200	.300	A 175J	350.000 G	5UA	20	40 .010
	2N834A	NS 211	18	ITT,RAY,GIC	40	30S	5.0	.200	.360	A 200J	500.000 G	500NA	20	37 .010
	2N835	NS 211	18	ITT,MOT,GIC,RAY,TEC,HUG	25	20	3.0	.200	.300	A 175J	300.000 G	5UA	20	40 .010
	2N837	PG 211	18	HUG	12	6	1.0	.100	.150	A 150C		3UA	6	45 .010
	2N838	PG 210	18	MOT	30	15S	2.5	.100	.150	A 100J	450.000 G	10UA	15	70 .010
	2N839	NS 210	18	ETC,TEC,HUG	45	45	2.0		.300	A 175J	30.000 G	1UA	45	27 .010
	2N840	NS 210	18	ETC,TEC,MOT,HUG	45	45	2.0		.300	A 175J	30.000 G	1UA	45	55 .010
	2N841	NS 210	18	ETC,TEC,MOT,HUG	45	45	2.0		.300	A 175J	40.000 G	1UA	45	160 .010
	2N842	NS 211	18	TEC,HUG	45	45	2.0	.050	.300	A 175A	30.000 G	1UA	45	34 .010
	2N843	NS 211	18	TEC,HUG	45	45	2.0	.050	.300	A 175A	40.000 G	1UA	45	83 .010
	2N846A	PG 210	18	SPR,HUG	15	15S	2.0	.100	.060	A 100J	320.000 G	3UA	5	60
-	2N849	NS 910	50	TII	25	15	5.0	.050	.300	A 175J	200.000 G	500NA	15	40
-	2N850	NS 910	50	TII	25	15	5.0	.050	.300	A 175J	200.000 G	500NA	15	80
-	2N851	NS 910	50	TII	20	12	5.0	.200	.300	A 175J	280.000 G	1UA	20	40
-	2N852	NS 910	50	TII	20	12	5.0	.200	.300	A 175J	280.000 G	1UA	20	80
	2N858	PS 210	18	SPR,HUG,CRY	40	40	25.0	.050	.150	A 140J	5.000 G	100NA	15	26 .005
	2N859	PS 210	18	SPR,HUG,CRY	40	40	25.0	.050	.150	A 140J	6.000 G	100NA	15	60 .005
	2N860	PS 210	18	SPR,HUG,CRY	25	25	20.0	.050	.150	A 140J	6.500 G	100NA	10	20 .005
	2N861	PS 210	18	SPR,HUG,CRY	25	25	20.0	.050	.150	A 140J	7.500 G	100NA	10	36 .005
	2N862	PS 210	18	SPR,HUG,CRY	15	15	10.0	.050	.150	A 140J	8.000 G	100NA	10	24 .005
	2N863	PS 210	18	SPR,HUG,CRY	15	15	10.0	.050	.150	A 140J	10.000 G	100NA	10	60 .005
	2N864	PS 210	18	SPR,HUG,CRY	6	6	6.0	.050	.150	A 140J	16.000 G	100NA	6	50 .005
	2N865	PS 210	18	SPR,HUG,CRY	15	15	10.0	.050	.150	A 140J	24.000 G	100NA	10	84 .005
	2N869	PS 211	18	MOT,GIC,TEC,HUG,FSC,ITT	25	18	5.0		.360	A 200J	150.000 G	10NA	15	40
	2N869A	PS 211	18	RAY,FSC,MOT,HUG,ITT	25	18	5.0		.360	A 200J	400.000 G			70 .030
	2N870	NS 211	18	AMC,TRW,SES,ETC,RAY,GIC	150	60	7.0		.500	A 200J	50.000 G	10NA	75	80 .150
	2N871	NS 211	18	AMC,RAY,TRW,SES,ETC,TEC	100	60	7.0		.500	A 200J	60.000 G	10NA	75	160 .150
	2N909	NS 211	18	TRW,TEC,HUG	60	30R	5.0		.400	A 175J	50.000 G	1UA	30	200 .050
	2N910	NS 211	18	AMC,RAY,TRW,TEC,MOT,HUG	100	60	7.0		.500	A 200J	60.000 G	25NA	75	130 .010
	2N911	NS 211	18	AMC,RAY,TRW,TEC,MOT,HUG	100	60	7.0		.500	A 200J	50.000 G	25NA	75	70 .010
	2N912	NS 211	18	AMC,RAY,TRW,TEC,HUG,FSC	100	60	7.0		.500	A 200J	40.000 G	25NA	75	30 .010
	2N914	NS 211	18	MOT,ITT,TII,GIC,SES,TEC	40	15	5.0		.360	A 200J	300.000 G	25NA	20	60 .010
-	2N914/46	NS 211	46	SYL	40	15	5.0		.400	A 200J	300.000 G	25NA	20	60
-	2N914/51	NS 910	51	SYL	40	15	5.0		.300	A 200J	300.000 G	25NA	20	60
	2N915	NS 211	18	RAY,ETC,TII,MOT,HUG,FSC	70	50	5.0		.360	A 200J	250.000 G	10NA	60	100 .010
	2N916	NS 211	18	RAY,TII,TRW,MOT,HUG,FSC	45	25	5.0		.360	A 200J	300.000 G	10NA	30	100 .010
	2N916A	NS 211	18	HUG	45	25	5.0		.360	A 200J	300.000 G	10NA	30	90 .010
	2N917	NS 217	72	AMC,RAY,TII,SES,NSC,TEC	30	15	3.0		.200	A 200J	500.000 G	1NA	15	40 .003
	2N917A	NS 217	72	RAY	30	15	3.0		.200	A 200J	600.000 G	1NA	15	70 .003
	2N918	NS 217	72	GEC,RAY,TII,FSC,MOT,SES	30	15	3.0	.050	.200	A 200J	600.000 G	10NA	15	40 .003
-	2N918/51	NS 909	51	SYL	30	15	3.0	.050	.200	A 200J	600.000 G	10NA	15	40
-	2N919	NS 211	18	CLE	25	15	5.0	.220	.680	A 200J	200.000 G	20NA	15	40

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
-	2N920	NS 211	18	CLE	25	15	5.0	.220	.680	A	200	J	200.000	G	20NA	15	80	
-	2N921	NS 211	18	CLE	50	20	5.0	.220	.680	A	200	J	200.000	G	20NA	15	40	
-	2N922	NS 211	18	CLE	50	20	5.0	.220	.680	A	200	J	200.000	G	20NA	15	80	
	2N923	PS 210	18	SOL,HUG	40	25	40.0	.100	.250	A	200	J	.800	B	25NA	40	20	.001
	2N924	PS 210	18	SOL,HUG	40	25	40.0	.100	.250	A	200	J	.800	B	25NA	40	40	.001
	2N925	PS 210	18	SOL,HUG	50	40	50.0	.100	.250	A	200	J	.800	B	25NA	50	18	.001
	2N926	PS 210	18	SOL,HUG	50	40	50.0	.100	.250	A	200	J	.800	B	25NA	50	36	.001
	2N927	PS 210	18	SOL,HUG	70	60	70.0	.100	.250	A	200	J	.800	B	25NA	70	16	.001
	2N928	PS 210	18	SOL,HUG	70	60	70.0	.100	.250	A	200	J	.800	B	25NA	70	36	.001
	2N929	NS 211	18	AMC,FSC,GEC,RAY,TII,GIC	45	45	5.0	.030	.300	A	175	J	1.000	G	10NA	45	80	.001
	2N929A	NS 211	18	SSD,RAY,GIC,NSC,TII,SOL	60	45	6.0	.030	.500	A	200	J	45.000	G	2NA	45	80	.001
	2N930	NS 211	18	AMC,FSC,ITT,SES,TII,GIC	45	45	5.0	.030	.300	A	175	J	1.000	G	10NA	45	200	.001
	2N930A	NS 211	18	SSD,RAY,NSC,GIC,TII,SOL	60	45	6.0	.030	.500	A	200	J	45.000	G	2NA	45	200	.001
	2N930B	NS 211	18	RAY,SOL	60	45	6.0		.500	A	200	J	45.000	G	100NA	45	200	.001
	2N935	PS 210	18	SSD,SOL,HUG,CRY	50	40	20.0	.050	.250	A	160	J	.200	B	100NA	30	10	.001
	2N936	PS 210	18	SSD,SOL,HUG,CRY	50	35	20.0	.051	.250	A	160	J	.300	B	100NA	30	18	.001
	2N937	PS 210	18	SSD,SOL,HUG,CRY	50	30	20.0	.050	.250	A	160	J	.500	B	100NA	30	36	.001
	2N938	PS 210	18	SSD,SOL,HUG,CRY	40	35	40.0	.050	.250	A	175	J	1.000	B	25NA	35	10	
	2N939	PS 210	18	SSD,SOL,HUG,CRY	40	35	40.0	.050	.250	A	175	J	2.000	B	25NA	35	18	
	2N940	PS 210	18	SSD,SOL,HUG,CRY	40	35	40.0	.050	.250	A	175	J	2.000	B	25NA	35	36	
	2N941	PS 210	18	SSD,SOL,HUG,CRY	25	8	25.0	.050	.250	A	175	J	16.000	G	2NA	4	10	.001
	2N942	PS 210	18	SSD,SOL,HUG,CRY	25	8	25.0	.050	.250	A	175	J	10.000	G	2NA	4	10	.001
	2N943	PS 210	18	SSD,SOL,HUG,CRY	40	18	40.0	.050	.250	A	175	J	1.000	B	5NA	30	10	.001
	2N944	PS 210	18	SSD,HUG,CRY	40	18	40.0	.050	.250	A	175	J	1.000	B	5NA	30	10	.001
	2N945	PS 210	18	SSD,SOL,HUG,CRY	50	50	50.0	.050	.250	A	175	J	1.000	B	5NA	40	10	.001
	2N946	PS 210	18	SSD,SOL,HUG,CRY	80	80	80.0	.050	.250	A	175	J	1.000	B	5NA	60	10	.001
	2N947	NS 211	18	HUG	20	15R	3.0	.100	.360	A	150	C	200.000	G	1UA	15	45	.010
-	2N955	NG 211	18	RCA	12	8	2.0	.100	.150	A	100	J	500.000	G	5UA	5	50	
-	2N955A	NG 211	18	RCA	12	8	2.0	.100	.150	A	100	J	500.000	G	5UA	5	50	
	2N956	NS 211	18	AMC,RAY,TII,MOT,TRW,SES	75	50R	7.0		.500	A	200	J	70.000	G	10NA	60	150	
	2N957	NS 211	18	TRW,RAY,TEC,HUG	40	20	5.0		.250	A	150	A	200.000	G	5UA	20	80	.010
	2N960	PG 211	18	MOT,TII	15	7	2.5	.300	.150	A	100	J	300.000	G	3UA	6	40	
	2N961	PG 211	18	MOT,TII	12	7	2.0	.300	.150	A	100	J	300.000	G	3UA	6	40	
	2N962	PG 211	18	MOT,TII	12	7	1.2	.300	.150	A	100	J	300.000	G	3UA	6	40	
	2N963	PG 211	18	MOT,TII	12	7	1.2	.100	.150	A	100	J	250.000	G	5UA	6	40	
	2N964	PG 211	18	MOT,TII,HUG	15	7	2.5	.300	.150	A	100	J	300.000	G	3UA	6	80	
	2N964A	PG 210	18	MOT	15	15	2.5	.100	.150	A	100	J	300.000	G	3UA	6	95	.100
	2N965	PG 211	18	MOT,TII	12	7	2.0	.300	.150	A	100	J	300.000	G	3UA	6	80	
	2N966	PG 211	18	MOT,TII	12	7	1.2	.300	.150	A	100	J	300.000	G	3UA	6	80	
	2N967	PG 211	18	MOT,TII	12	7	1.2	.100	.150	A	100	J	250.000	G	5UA	6	80	
	2N968	PG 211	18	MOT,TII	15	15S	2.5	.200	.150	A	100	J	300.000	G	3UA	6	40	.025
	2N969	PG 211	18	MOT,TII	12	12S	2.0	.200	.150	A	100	J	300.000	G	3UA	6	40	.025
	2N970	PG 211	18	MOT,TII	12	12S	1.2	.200	.150	A	100	J	300.000	G	3UA	6	40	.025
	2N971	PG 211	18	MOT,TII	7	7S	1.2	.200	.150	A	100	J	300.000	G	10UA	6	40	.025
	2N972	PG 211	18	MOT,TII	15	15S	2.5	.200	.150	A	100	J	300.000	G	100UA	15	80	.025
	2N973	PG 211	18	MOT,TII	12	12S	2.0	.200	.150	A	100	J	300.000	G	100UA	12	80	.025
	2N974	PG 211	18	MOT,TII	12	12S	1.2	.200	.150	A	100	J	300.000	G	100UA	12	80	.025
	2N975	PG 211	18	MOT,TII	7	7S	1.2	.200	.150	A	100	J	300.000	G	100UA	7	80	.025
	2N976	PG 210	18	HUG	15	10	2.0	.100	.100	A	100	J	500.000	G	3UA	5	50	
	2N978	PS 211	18	TEC,HUG,FSC	30	20	5.0		.600	A	150	A	40.000	G	5UA	10	30	
	2N979	PG 210	18	SPR,HUG	20	15	2.0	.100	.060	A	100	J	100.000	G	3UA	5	50	
	2N980	PG 210	18	SPR,HUG	20	12	2.0	.100	.060	A	100	J	100.000	G	5UA	5	50	
	2N982	PG 210	18	SPR,HUG	20	15	2.0	.100	.060	A	100	J	225.000	G	3UA	5	100	
	2N983	PG 210	18	SPR,HUG	15	15	2.0	.100	.060	A	100	J	225.000	G	3UA	5	80	
	2N984	PG 210	18	SPR,HUG	15	10	2.0	.100	.060	A	100	J	170.000	G	5UA	5	60	
	2N985	PG 211	18	TII,MOT	15	7	3.0	.200	.300	A	100	J	300.000	G	3UA	5	90	.100
	2N987	PG 217	72	AMP	40	40	1.0	.010	.086	A	90	J	100.000	G	8UA	6	120	
	2N988	NS 210	18	TRW	20	15	3.0	.200	.300	A	200	J	300.000	G	500NA	15	52	.010
	2N989	NS 210	18	TRW	20	10	3.0	.200	.300	A	200	J	300.000	G	500NA	15	52	.010
	2N990	PG 218	72	AMP	32	32	1.0	.010	.067	A	75	J	44.000	G	8UA	6	140	
	2N993	PG 218	72	AMP	32	32	1.0	.010	.067	A	75	J	44.000	G	8UA	6	140	
	2N995	PS 211	18	MOT,GIC,TEC,HUG,FSC	20	15	4.0		.360	A	200	J	100.000	G	5NA	15	70	.020
	2N996	PS 211	18	GIC,TEC,HUG,FSC	15	12	4.0		.360	A	200	J	100.000	G	5NA	10	70	.020
	2N1000	NG 210	5	ETC	40	30R	40.0	.200	.150	A	100	J	7.000	B	15UA	40	50	.100
-	2N1005	NS 210	5	TII	15	15	.5		.125	A	150	J	50.000	G	1UA	10	30	
-	2N1006	NS 210	5	TII	15	15	.5		.125	A	150	J	50.000	G	1UA	10	80	
-	2N1007	PG 605	3	SYL	40	35R		3.000	25.000	A	95	J	.005	E	2MA	15	40	
	2N1008	PG 210	5	MOT,ETC	20	15R	15.0	.300	.165	A	85	J	.025	E	10UA	10	90	
	2N1008A	PG 210	5	ETC,MOT	40	35R	15.0	.300	.165	A	85	J	.025	E	10UA	25	100	
	2N1008B	PG 210	5	MOT,ETC	60	55R	15.0	.300	.165	A	85	J	.025	E	15UA	45	90	
	2N1010	NG 210	5	ETC	10	10	10.0	.020	.040	A	85	J	2.000	B	10UA	10	35	
	2N1010+	NG 120	1	RCA	10	10	10.0	.002	.020	A	55	A	2.000	B	10UA	10	36	
	2N1011	PG 605	3	DEL,MOT,SOL,ETC,HUG,KSC	80	40	40.0	5.000	60.000	C	95	A	.005	E	15MA	80	70	3.000
	2N1012	NG 210	5	ETC,GIC	40	22	30.0		.150	A	85	J	3.000	B	5UA	5	80	.100
-	2N1014	PG 605	3	RCA	100	65	60.0	10.000	50.000	C	100	J	.005	E	500UA	30	14	2.000
	2N1015	NS 412	82	AMF,STC,WHE,SPC,SEN	30	30S	25.0	7.500	175.000	C	150	J	.020	E	20MA	30	14	2.000
	2N1015A	NS 412	82	AMF,STC,WHE,SPC,HUG,SEN	60	60S	25.0	7.500	175.000	C	150	J	.020	E	20MA	60	14	2.000
	2N1015B	NS 412	82	AMF,STC,WHE,SPC,HUG,SEN	100	100S	25.0	7.500	175.000	C	150	J	.020	E	20MA	100	14	2.000
	2N1015C	NS 412	82	AMF,STC,WHE,SPC,HUG,SEN	150	150S	25.0	7.500	175.000	C	150	J	.020	E	20MA	150	14	2.000
	2N1015D	NS 412	82	WHE,STC,SPC,HUG,SEN	200	200	25.0	7.500	150.000	C	150	J	.025	E	20MA	200	14	2.000
	2N1015E	NS 412	82	WHE,STC,SPC,HUG,SEN	250	250	25.0	7.500	150.000	C	150	J	.025	E	20MA	250	14	2.000
	2N1016	NS 412	82	WHE,STC,SPC,HUG,SEN	30	30	25.0	7.500	150.000	C	150	J	.030	E	20MA	30	18	5.000
	2N1016A	NS 412	82	WHE,STC,SPC,HUG,SEN	60	60	25.0	7.500	150.000	C	150	J	.030	E	20MA	60	18	5.000
	2N1016B	NS 412	82	WHE,STC,SPC,HUG,SEN	100	100	25.0	7.500	150.000	C	150	J	.030	E	20MA	100	18	5.000
	2N1016C	NS 412	82	WHE,STC,SPC,HUG,SEN	150	150	25.0	7.500	150.000	C	150	J	.030	E	20MA	150	18	5.000
	2N1016D	NS 412	82	WHE,STC,SPC,HUG,SEN	200	200	25.0	7.500	150.000	C	150	J	.030	E	20MA	200	18	5.000
	2N1016E	NS 412	82	WHE,STC,SPC,HUG,SEN	250	250	25.0	7.500	150.000	C	150	J	.030	E	20MA	250	18	5.000
	2N1017	PG 210	5	ETC	30	10	20.0	.400	.150	A	100	J	20.000	B	25UA	30	40	
	2N1018	PG 210	5	ETC	30	8R	20.0		.150	A	100	J	15.000	B	25UA	30	30	
	2N1021	PG 605	3	DEL,SOL,MOT,TII,ETC,HUG	100	50	20.0	5.000	85.000	C	100	J	.200	G	2MA	100	60	5.000
	2N1021A	PG 605	3	DEL,TII,SOL,ETC,HUG,KSC	100	50	30.0	7.000	100.000	C	100	J	.200	G	2MA	100	60	5.000
	2N1022	PG 605	3	DEL,TII,MOT,TII,ETC,HUG	120	50	20.0	5.000	85.000	C	100	J	.200	G	2MA	120	60	5.000
	2N1022A	PG 605	3	DEL,TII,SOL,ETC,HUG,KSC	120	50	30.0	7.000	100.000	C	100	J	.200	G	2MA	120	60	5.000
	2N1023	PG 128	44	RCA	40		5	.010	.120	A	100	J	30.000	B	12UA	12	70	
	2N1024	PS 210	5	SSD,NSC,SOL,HUG,CRY	18	15	18.0	.100	.250	A	175	J	1.000	G	25NA	18	20	.001
	2N1025	PS 210	5	SSD,NSC,SOL,HUG,CRY	40	35	40.0	.100	.250	A	175	J	1.000	G	25NA	40	15	.001
	2N1026	PS 210	5	SSD,NSC,SOL,HUG,CRY	40	35	40.0	.100	.250	A	175	J	2.000	G	25NA	40	30	.001
	2N1026A	SEE 2N1469																
	2N1027	PS 210	5	SSD,SOL,HUG	18	15	18.0	.100	.250	A	175	J	4.000	B	25NA	15	36	.001
	2N1028	PS 210	5	SSD,SOL,HUG	12	10	12.0	.100	.250	A	175	J	2.000	B	25NA	10	26	.001
	2N1031	PG 607	41	ETC,SOL,HUG	50	20		15.000	90.000	C	100	J	.004	E	2MA	15	40	10.000
	2N1031A	PG 607	41	ETC,SOL,HUG	60	30		15.000	90.000	C	100	J	.004	E	2MA	25	40	10.000
	2N1031B	PG 607	41	ETC,SOL,HUG	90	60		15.000	90.000	C	100	J	.004	E	2MA	60	40	10.000
	2N1031C	PG 607	41	ETC,SOL,HUG	100	70		15.000	90.000	C	100	J	.004	E	2MA	60	40	10.000
	2N1032	PG 607	41	ETC,SOL,HUG	50	20		15.000	90.000	C	100	J	.004	E	2MA	15	74	10.000
	2N1032A	PG 607	41	ETC,SOL,HUG	60	30		15.000	90.000	C	100	J	.004	E	2MA	25	74	10.000
	2N1032B	PG 607	41	ETC,SOL,HUG	90	60		15.000	90.000	C	100	J	.004	E	2MA	60	74	10.000
	2N1032C	PG 607	41	ETC,SOL,HUG	100	70		15.000	90.000	C	100	J	.004	E	2MA	60	74	10.000
	2N1034	PS 210	5	SSD,NSC,SOL,CRY	50	40	20.0		.050	.250	A	160	J	.150	B	1UA	30	150	.001
	2N1035	PS 210	5	SSD,NSC,SOL,CRY	50	35	20.0		.050	.250	A	160	J	.200	B	1UA	30	40	.001
	2N1036	PS 210	5	SSD,NSC,SOL,CRY	50	30	20.0		.050	.250	A	160	J	.300	B	1UA	30	120	.001
	2N1037	PS 210	5	SSD,SOL,CRY	50	35	20.0		.050	.250	A	160	J	.150	B	1UA	30	40	.001
	2N1038	PG 211	5	SOL,TII,MOT,HUG,KSC	40	30	20.0	3.000	20.000	C	100	J	.008	E	125UA	20	36	1.000
	2N1038-1	PG 541 B		KSC	40	30	20.0	3.000	20.000	C	100	J	.008	E	125UA	20	36	1.000
	2N1038-2	PG 541 A		KSC	40	30	20.0	3.000	20.000	C	100	J	.008	E	125UA	20	36	1.000
	2N1039	PG 211	5	SOL,TII,MOT,KSC	60	40	20.0	3.000	20.000	C	100	J	.008	E	125UA	30	36	1.000
	2N1039-1	PG 541 B		KSC	60	40	20.0	3.000	20.000	C	100	J	.008	E	125UA	30	36	1.000
	2N1039-2	PG 541 A		KSC	60	40	20.0	3.000	20.000	C	100	J	.008	E	125UA	30	36	1.000
	2N1040	PG 211	5	SOL,TII,MOT,KSC	80	50	20.0	3.000	20.000	C	100	J	.008	E	125UA	40	36	1.000
	2N1040-1	PG 541 B		KSC	80	50	20.0	3.000	20.000	C	100	J	.008	E	125UA	40	36	1.000
	2N1040-2	PG 541 A		KSC	80	50	20.0	3.000	20.000	C	100	J	.008	E	125UA	40	36	1.000
	2N1041	PG 211	5	SOL,TII,MOT,KSC	100	60	20.0	3.000	20.000	C	100	J	.008	E	125UA	50	36	1.000
	2N1041-1	PG 541 B		KSC	100	60	20.0	3.000	20.000	C	100	J	.008	E	125UA	50	36	1.000
	2N1041-2	PG 541 A		KSC	100	60	20.0	3.000	20.000	C	100	J	.008	E	125UA	50	36	1.000
	2N1042	PG 541 A		SOL,TII,MOT,KSC	40	30	20.0	3.000	20.000	C	100	J	.250	G	125UA	20	36	1.000
	2N1042-1	PG 541 B		KSC	40	30	20.0	3.000	20.000	C	100	J	.008	E	125UA	20	36	1.000
	2N1042-2	PG 211	5	KSC	40	30	20.0	3.000	20.000	C	100	J	.008	E	125UA	20	36	1.000
	2N1043	PG 541 A		SOL,TII,MOT,KSC	60	40	20.0	3.000	20.000	C	100	J	.250	G	125UA	30	36	1.000
	2N1043-1	PG 541 B		KSC	60	40	20.0	3.000	20.000	C	100	J	.008	E	125UA	30	36	1.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N1043-2	PG 211	5	KSC	60	40	20.0	3.000	20.000	C	100J	.008 E	125UA	30	36	1.000
	2N1044	PG 541 A		SOL,TII,MOT,KSC	80	50	20.0	3.000	20.000	C	100J	.250 G	125UA	40	36	1.000
	2N1044-1	PG 541 B		KSC	80	50	20.0	3.000	20.000	C	100J	.008 E	125UA	40	36	1.000
	2N1044-2	PG 211	5	KSC	80	50	20.0	3.000	20.000	C	100J	.008 E	125UA	40	36	1.000
	2N1045	PG 541 A		SOL,TII,MOT,KSC	100	60	20.0	3.000	20.000	C	100J	.250 G	125UA	50	36	1.000
	2N1045-1	PG 541 B		KSC	100	60	20.0	3.000	20.000	C	100J	.008 E	125UA	50	36	1.000
	2N1045-2	PG 211	5	KSC	100	60	20.0	3.000	20.000	C	100J	.008 E	125UA	50	36	1.000
	2N1046	PG 605	3	TII,ETC,TIL	100	50	1.5	10.000	30.000	A	100J	.300 E	10UA	100	100	
	2N1046A	PG 605	3	TII,ETC	130	50	1.5	10.000	30.000	A	100J	.300 E	10UA	130	100	
	2N1046B	PG 605	3	TII,ETC	130	50	1.5	10.000	30.000	A	100J	.300 E	10UA	130	100	
	2N1047	NS 461	57	TII,ETC,STC,SEN	80		6.0		40.000	C	200J	.200 E	15UA	30	24	
	2N1047A	NS 461	57	ETC,TII,STC,SEN	80	80	10.0		40.000	C	200J	.090 E	250UA	80	24	.500
	2N1047B	NS 461	57	TII,STC,SEN	80	80	6.0		40.000	C	200J	.125 E	50UA	80	24	
	2N1048	NS 461	57	TII,ETC,STC,SEN	120		6.0		40.000	C	200J	.200 E	15UA	30	24	
	2N1048A	NS 461	57	ETC,TII,STC,SEN	120	120	10.0		40.000	C	200J	.090 E	250UA	80	24	.500
	2N1048B	NS 461	57	TII,STC,SEN	120	120	6.0		40.000	C	200J	.125 E	100UA	120	24	
	2N1049	NS 461	57	TII,ETC,STC,SEN	80		6.0		40.000	C	200J	.200 E	15UA	30	60	
	2N1049A	NS 461	57	ETC,TII,STC,SEN	80	80	10.0		40.000	C	200J	.090 E	250UA	80	60	.500
	2N1049B	NS 461	57	TII,STC,SEN	80	80	6.0		40.000	C	200J	.125 E	50UA	80	60	
	2N1050	NS 461	57	TII,ETC,STC,SEN	120		6.0		40.000	C	200J	.200 E	15UA	30	60	
	2N1050A	NS 461	57	ETC,TII,STC,SEN	120	120	10.0		40.000	C	200J	.090 E	250UA	80	60	1.500
	2N1050B	NS 461	57	TII,STC,SEN	120	120	6.0		40.000	C	200J	.125 E	100UA	120	60	
	2N1052	NS 211	5	TEC	200	155	6.0	.200	.600	H	200A	8.000 G	10UA	200	40	.200
	2N1053	NS 211	5	TEC	180	135	6.0	.200	.600	H	200A	8.000 G	10UA	180	40	.200
	2N1054	NS 211	5	SSP,ETC,TEC	125	115	6.0	.750	.600	A	200J	8.000 G	5UA	125	30	.020
	2N1055	NS 210	5	SSP,TEC	100	100	6.0	.200	.600	A	200J	3.000 G	15UA	100	50	
	2N1056	PG 210	5	ETC		50R	15.0	.100	.240	A	85J	.500 B	16UA	45	30	
	2N1057	PG 210	5	ETC		45R	5.0	.300	.240	A	85J	.500 B	16UA	45	60	
	2N1057+	PG 57 B		GEC	45		5.0	.300	.240	A	85J	.500 B	16UA	45	60	
	2N1058	NG 210	5	ETC		20R		.050	.050	A	75J	4.000 B	50UA	18	16	
-	2N1058+	NG 10	22	SYL	18	18R		.050	.150	A	85J	4.000 B	50UA	18	40	
	2N1059	NG 210	5	ETC	20	15R	10.0	.500	.250	A	85J	.010 B	10UA	10	75	.035
-	2N1059+	NG 10	22	SYL	20	15R	10.0	.100	.180	A	85J	.100 G	294A	20	70	
-	2N1065	PG 170	9	GTC	40	20	1.0		.120	A	100J	20.000 B	8UA	10	50	
	2N1066	PG 217	33	AMP,RCA	40		.5	.010	.120	A	100J	30.000 B	12UA	12	70	
	2N1067	NS 171	8	STC,SEN	60	30	12.0	.500	5.000	C	175J	.750 B	500UA	60	34	.200
	2N1068	NS 171	8	AMF,STC,SEN	60	30	12.0	1.500	10.000	C	175J	.750 B	500UA	60	34	.200
	2N1069	NS 605	3	AMF,ETC,STC	60	45	9.0	4.000	50.000	C	175J	.500 B	1MA	60	24	
	2N1070	NS 605	3	AMF,ETC,STC	60	45	9.0	4.000	50.000	C	175J	.500 B	1MA	60	24	
	2N1073	PG 607	41	SOL,MOT,ETC,DEL	40	40R	1.5	10.000	85.000	C	110J	.350 G	1MA	25	35	5.000
	2N1073A	PG 607	41	SOL,MOT,ETC,DEL	80	80R	1.5	10.000	85.000	C	110J	.350 G	1MA	65	35	5.000
	2N1073B	PG 607	41	SOL,MOT,ETC,DEL	120	120R	1.5	10.000	85.000	C	110J	.350 G	2MA	100	35	5.000
	2N1079	NS 731	53	ETC,TEC,HUG	60	60	10.0	3.000	60.000	C	200J	10.000 G			40	1.000
	2N1080	NS 731	53	ETC,TEC,HUG	60	60	10.0	3.000	60.000	C	200J	10.000 G			40	1.000
	2N1086	NG 210	5	ETC	9	9		.020	.065	A	85J	5.000 B	3UA	5	120	
-	2N1086+	NG 12 A		GEC	9	9		.020	.065	A	85A	8.000 B	3UA	5	40	
	2N1086A	NG 210	5	ETC	9	9		.020	.065	A	85J	5.000 B	3UA	5	120	
-	2N1086A+	NG 12 A		GEC	9	9		.020	.065	A	85A	8.000 B	3UA	5	40	
	2N1087	NG 210	5	ETC	9	9		.020	.065	A	85J	5.000 B	3UA	5	120	
-	2N1087+	NG 12 A		GEC	9	9		.020	.065	A	85A	8.000 B	3UA	5	40	
	2N1090	NG 210	5	ETC	25	15	20.0	.400	.120	A	85J	5.000 B	8UA	12	50	
-	2N1090+	NG 170	9	RCA	25	15	20.0	.400	.120	C	85A	5.000 B	8UA	12	50	
	2N1091	NG 210	5	ETC	25	12	20.0	.400	.120	A	85J	10.000 B	8UA	12	70	
-	2N1091+	NG 170	9	RCA	25	12	20.0	.400	.120	C	85A	10.000 B	8UA	12	70	
	2N1092	NS 211	5	AMF,ETC	60	30	12.0	.500	.800	A	175A	.750 B	500UA	60	36	.200
	2N1093	PG 210	5	ETC	30		15.0	.250	.150	A	100J	.500 B	6UA	30	130	
	2N1097	PG 212	5	ETC	18	18	5.0	.200	.200	A	85A	1.000 B	16UA	16	60	
	2N1098	PG 212	5	ETC	18	18	5.0	.200	.200	A	85A	1.000 B	16UA	16	50	
	2N1099	PG 405	36	DEL,MOT,ETC,SOL,HUG	80	60	40.0	15.000	150.000	C	100A	.010 E	4MA	80	50	5.000
	2N1100	PG 405	36	MOT,ETC,DEL,SOL,HUG	100	65	80.0	15.000	150.000	C	100C	.010 E	4MA	100	37	5.000
	2N1101	NG 210	5	ETC	20	15R	10.0	.100	.180	A	75J	.010 B	20UA	20	44	.035
-	2N1101+	NG 10	22	SYL	20	15	10.0	.100	.180	A	85J	.010 B	20UA	20	44	
	2N1102	NG 210	5	ETC	40	25R	10.0	.100	.180	A	75J	.010 B	50UA	40	44	.035
-	2N1102+	NG 10	22	SYL	40	25	10.0	.100	.180	A	85J	.010 B	50UA	40	44	
	2N1107	PG 210	5	ETC	16		10.0	.005	.030	A	85J	25.000 B	10UA	12		
	2N1108	PG 210	5	ETC	16		10.0	.005	.030	A	85J	20.000 B	10UA	12		
-	2N1108+	PG 10	22	TII	16			.005	.030	A	85J	35.000 B	10UA	12	32	
	2N1109	PG 210	5	ETC	16		10.0	.005	.030	A	85J	15.000 B	10UA	12		
-	2N1109+	PG 10	22	TII	16			.005	.030	A	85J	30.000 B	10UA	12	20	
	2N1110	PG 210	5	ETC	16		10.0	.005	.030	A	85J	20.000 B	10UA	12		
-	2N1110+	PG 10	22	TII	16			.005	.030	A	85J	35.000 B	10UA	12	30	
	2N1111	PG 210	5	ETC	20		10.0	.005	.030	A	85J	20.000 B	10UA	12		
	2N1114	NG 212	5	ETC	25	15	15.0	.200	.150	A	100J	7.000 B	30UA	25	90	
	2N1115	PG 210	5	ETC	20	15	10.0	.125	.150	A	85J	5.000 B	6UA	20	70	
	2N1116	NS 210	5	SSP,TEC,HUG,STC,SEN	60	60	6.0	.800	.600	A	200J	6.000 G	15UA	60	90	
	2N1117	NS 210	5	SSP,TEC,HUG,STC,SEN	60	60	6.0	.800	.600	A	200J	4.000 G	15UA	60	100	
	2N1118	PS 210	5	SPR,SOL,HUG,CRY	25	25	10.0	.050	.150	A	140J	8.000 F	100NA	25	24	.001
	2N1118A	PS 210	5	SOL,SPR,HUG,CRY	25	25	10.0	.050	.150	A	140J	8.000 F	1UA	25	24	.001
	2N1119	PS 210	5	SPR,SOL,HUG,CRY	10	10	10.0	.050	.150	A	140J	7.200 G	100NA	10	24	.015
	2N1120	PG 607	41	MOT,SOL,ETC,HUG	80	40	40.0	15.000	90.000	C	100J	.003 E	15MA	80	32	9.999
	2N1121	NG 210	5	ETC	15	15R		.020	.065	A	85J	5.000 B	5UA	15	70	
-	2N1121+	NG 12 A		GEC	15	15		.020	.065	A	85A	8.000 B	5UA	15	60	
	2N1122	PG 116	24	SPR	12	11S		.050	.025	A	100J	40.000 G	5UA	6	50	
	2N1122A	PG 116	24	SPR	15	14S		.050	.025	A	100J	40.000 G	5UA	6	50	
-	2N1123	PG 171	31	PHL	45	40S	45.0	.500	.750	C	100J	3.000 B	25UA	45	70	
	2N1124	PG 210	5	ETC	40	35R	40.0	.250	.300	A	85J	.400 B	10UA	5	80	
-	2N1124+	PG 105	25	PHL	40			.150	.300	A	85J	.400 B	75UA	40	80	
	2N1125	PG 210	5	ETC	40	40R	40.0	.150	.300	A	85J	.750 B	75UA	40	100	
-	2N1125+	PG 105	25	PHL	40			.150	.300	A	85J	1.000 B	75UA	40	100	
-	2N1126	PG 172 A		PHL	40			.150	1.000	A	85J	.400 B	75UA	40	80	
-	2N1127	PG 172 A		PHL	40			.150	1.000	A	85J	1.000 B	75UA	40	100	
	2N1128	PG 210	5	ETC	25	18R	5.0	.250	.150	A	85J	1.000 B	15UA	25	90	
-	2N1128+	PG 105	25	PHL	25			.150	.150	A	85J	1.000 B	20UA	10	100	
	2N1129	PG 210	5	ETC	25	25R	5.0	.250	.150	A	85J	.500 B	15UA	25	150	
-	2N1129+	PG 105	25	PHL	25			.150	.150	A	85J	.750 B	25UA	25	160	
	2N1130	PG 210	5	ETC	30	40R	5.0	.250	.150	A	85J	.750 B	15UA	30	100	
-	2N1130+	PG 105	25	PHL	25			.150	.150	A	85J	.750 B	25UA	30	110	
	2N1131	PS 211	5	TII,MOT,SES,RAY,GIC,TEC	50	35	5.0	.600	.600	A	175J	50.000 G	1UA	30	30	.150
-	2N1131/51	PS 909	51	SYL	50	35	5.0	.600	.630	A	175J	50.000 G	1UA	30	30	
	2N1131A	PS 211	5	HUG,TEC	60	40	5.0	.600	.600	A	175J	50.000 G	500NA	45	30	.150
-	2N1131A/51	PS 909	51	SYL	60	40	5.0	.600	.600	A	175J	50.000 G	500NA	45	30	
	2N1132	PS 211	5	HUG,RAY,SES,ETC,TII,MOT	50	35	5.0	.600	.600	A	175J	60.000 G	100NA	50	48	.150
-	2N1132/51	PS 909	51	SYL	50	35	5.0	.600	.600	A	175J	60.000 G	1UA	30	60	
	2N1132A	PS 211	5	HUG,MOT,ITT,TEC	60	40	5.0	.600	.630	A	175J	60.000 G	500NA	45	60	.150
-	2N1132A/51	PS 909	51	SYL	60	40	5.0	.600	.600	A	175J	60.000 G	500NA	45	60	
	2N1132B	PS 211	5	HUG,TEC	70	45	6.0	.600	.600	A	175J	60.000 G	10NA	50	60	
-	2N1132B/51	PS 909	51	SYL	70	45	6.0	.600	.600	A	175J	60.000 G	10NA	50	60	
	2N1136	PG 605	3	SOL,ETC,HUG,KSC	60	30	15.0	6.000	94.000	C	100J	.004 E	1MA	25	75	3.000
	2N1136A	PG 605	3	SOL,ETC,HUG,KSC	90	55	15.0	6.000	94.000	C	100J	.004 E	1MA	25	75	3.000
	2N1136B	PG 605	3	SOL,ETC,HUG,KSC	100	65	15.0	6.000	94.000	C	100J	.004 E	1MA	65	75	3.000
	2N1137	PG 605	3	SOL,ETC,HUG,KSC	60	30	15.0	6.000	94.000	C	100J	.004 E	1MA	25	112	3.000
	2N1137A	PG 605	3	SOL,ETC,HUG,KSC	90	55	15.0	6.000	94.000	C	100J	.004 E	1MA	60	112	3.000
	2N1137B	PG 605	3	SOL,ETC,HUG,KSC	100	65	15.0	6.000	94.000	C	100J	.004 E	1MA	60	112	3.000
	2N1138	PG 605	3	SOL,ETC,HUG,KSC	60	30	15.0	5.000	90.000	C	100J	.004 E	200UA	2	150	3.000
	2N1138A	PG 605	3	SOL,ETC,HUG,KSC	90	55	15.0	5.000	90.000	C	100J	.004 E	200UA	2	150	3.000
	2N1138B	PG 605	3	SOL,ETC,HUG,KSC	100	65	15.0	5.000	90.000	C	100J	.004 E	200UA	2	150	3.000
	2N1139	NS 211	5	TEC,ETC	15	15	3.0		.500	A	175J	100.000 G	5UA	15	40	.010
	2N1140	NS 210	5	ETC	40	40	5.0		.500	A	200J	35.000 G	15UA	40	30	.050
	2N1141	PG 211	5	TII,MOT,TIL	35		1.0	.100	.300	A	100J	750.000 B	5UA	15	40	
	2N1142	PG 211	5	TII,MOT,TIL	30		.7	.100	.300	A	100J	600.000 B	5UA	15	40	
	2N1143	PG 211	5	TII,MOT,TIL	25		.5	.100	.300	A	100J	480.000 B	5UA	15	40	
	2N1144	PG 210	5	ETC	16	16R		.100	.140	A	60J	1.000 B	16UA	16	60	
	2N1144+	PG 57 B		SSP	16	16R	5.0	.100	.140	A	60J	1.000 B	16UA	16	66	
	2N1145	PG 210	5	ETC	16	16R		.100	.140	A	60J	1.000 B	16UA	16	60	
-	2N1145+	PG 57 B		GEC	16	16R	5.0	.100	.140	A	60J	1.000 B	16UA	16	56	
	2N1146	PG 605	3	ETC,SOL,HUG,KSC	40	20	30.0	15.000	94.000	C	100J	.002 E	20MA	40	100	5.000
	2N1146A	PG 605	3	ETC,SOL,HUG,KSC	60	30	30.0	15.000	94.000	C	100J	.002 E	20MA	60	100	5.000
	2N1146B	PG 605	3	ETC,SOL,HUG,KSC	80	40	30.0	15.000	94.000	C	100J	.002 E	20MA	80	100	5.000
	2N1146C	PG 605	3	ETC,SOL,HUG,KSC	100	50	30.0	15.000	94.000	C	100J	.002 E	20MA	100	100	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.						
	2N1147	PG 607	41	ETC,SOL,HUG,KSC	40	20	30.0	15.000	94.000	C	100J	.002	E	40MA	40	100	5.000
	2N1147A	PG 607	41	ETC,SOL,HUG,KSC	60	30	30.0	15.000	94.000	C	100J	.002	E	40MA	60	100	5.000
	2N1147B	PG 607	41	ETC,SOL,HUG,KSC	80	40	30.0	15.000	94.000	C	100J	.002	E	40MA	80	100	5.000
	2N1147C	PG 607	41	ETC,SOL,HUG,KSC	100	50	30.0	15.000	94.000	C	100J	.002	E	40MA	100	100	5.000
	2N1149	NS 10	22	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J	12.000	B	2UA	30	16	
	2N1150	NS 10	22	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J	13.000	B	2UA	30	30	
	2N1151	NS 10	22	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J	14.000	B	2UA	30	50	
	2N1152	NS 10	22	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J	15.000	B	2UA	30	60	
	2N1153	NS 10	22	TEC,TII,ETC,HUG	45		1.0	.025	.150	A	175J	16.000	B	2UA	30	180	
	2N1154	NS 10	22	ETC,TII,TEC,HUG	50		1.0	.060	.750	A	150J	1.000	B	5UA	50	20	
	2N1155	NS 10	22	ETC,TII,TEC,HUG	80		1.0	.050	.750	A	150J	1.000	B	6UA	80	20	
	2N1156	NS 10	22	ETC,TII,TEC,HUG	120		1.0	.040	.750	A	150J	1.000	B	8UA	100	20	
	2N1157	PG 480 A		SOL,HUG	60	45	28.0	40.000	187.000	C	100J	.200	G	7MA	60	60	10.000
	2N1157A	PG 480 A		SOL,HUG	80	50	28.0	40.000	187.000	C	100J	.200	G	20MA	80	60	10.000
	2N1158	PG 170	9	ETC	20	20S	.5	.100	.600	A	100J	28.500	G	5UA	10	9	
	2N1158A	PG 170	9	ETC	20	20S	.5	.100	.750	A	100J	45.000	G	5UA	10	14	
	2N1159	PG 605	3	DEL,ETC,HUG	80	60	20.0	5.000	90.000	C	100J	.010	E	8MA	80	52	3.000
	2N1160	PG 605	3	DEL,ETC,HUG	80	60	20.0	7.000	90.000	C	100J	.010	E	8MA	80	36	5.000
	2N1162	PG 605	3	MOT,SOL,HUG,KSC	50	35S	25.0	25.000	90.000	C	100J	.004	E	225UA	2	40	9.999
	2N1162A	PG 605	3	MOT,ETC,SOL,HUG,KSC	50	35S	25.0	25.000	90.000	C	100J	.004	E	15MA	50	50	25.000
	2N1163	PG 607	41	MOT,ETC,SOL,HUG,KSC	50	35S	25.0	25.000	90.000	C	100J	.004	E	225UA	2	40	9.999
	2N1163A	PG 607	41	MOT,ETC,SOL,HUG,KSC	50	35S	25.0	25.000	90.000	C	100J	.004	E	15MA	50	50	25.000
	2N1164	PG 605	3	MOT,ETC,SOL,HUG,KSC	80	60S	40.0	25.000	90.000	C	100J	.004	E	225UA	2	40	9.999
	2N1164A	PG 605	3	MOT,ETC,SOL,HUG,KSC	80	60S	40.0	25.000	90.000	C	100J	.004	E	15MA	80	50	25.000
	2N1165	PG 607	41	MOT,ETC,SOL,HUG,KSC	80	60S	40.0	25.000	90.000	C	100J	.004	E	225UA	2	40	
	2N1165A	PG 607	41	MOT,ETC,SOL,HUG,KSC	50	35S	40.0	25.000	90.000	C	100J	.004	E	15MA	50	50	25.000
	2N1166	PG 605	3	MOT,ETC,SOL,HUG,KSC	100	75S	50.0	25.000	90.000	C	100J	.004	E	225UA	2	40	9.999
	2N1166A	PG 605	3	MOT,ETC,SOL,HUG,KSC	100	75S	50.0	25.000	90.000	C	100J	.004	E	15MA	100	50	25.000
	2N1167	PG 607	41	MOT,ETC,SOL,HUG,KSC	100	75S	50.0	25.000	100.000	C	100J	.004	E	225UA	2	64	5.000
	2N1167A	PG 607	41	MOT,ETC,SOL,HUG,KSC	100	75S	50.0	25.000	90.000	C	100J	.004	E	15MA	100	50	5.000
	2N1168	PG 605	3	SOL,ETC,DEL,HUG,KSC	50	30R	20.0	5.000	90.000	C	100J	.004	E	8MA	50	90	3.000
-	2N1169	NG 229	5	RCA	25	18	25.0	.400	.120	A	85J	4.500	B	10UA	12	40	
	2N1171	PG 210	5	ETC	30	12	20.0	.400	.150	A	85J	10.000	B	5UA	12	60	.001
-	2N1172	PG 631	37	DEL	40	16	20.0	1.500	7.500	C	100J	.017	E	2MA	40	60	
	2N1175	PG 212	5	GEC,MOT	35	25R	10.0	.200	.200	A	85J	1.500	B	12MA	30	90	
	2N1175A	PG 212	5	GEC	35	25R	10.0	.200	.200	A	85J	1.500	B	12UA	30	90	.020
	2N1176	PG 210	5	ETC	15	15R	10.0	.300	.200	A	100J	.015	E	25UA	10	30	
	2N1176A	PG 210	5	ETC	40	40R	10.0	.300	.200	A	100J	.015	E	30UA	25	30	
	2N1176B	PG 210	5	ETC	60	60R	10.0	.300	.200	A	100J	.015	E	35UA	45	30	
-	2N1177	PG 75	45	RCA	30		1.0	.010	.080	A	71A	140.004	B	12UA	12	100	
-	2N1178	PG 75	45	RCA	30		1.0	.010	.080	A	71A	140.004	B	12UA	12	40	
-	2N1179	PG 75	45	RCA	30		1.0	.010	.080	A	71A	140.000	B	12UA	12	80	
-	2N1180	PG 75	45	RCA	30			.010	.080	A	70J	100.000	G	12UA		160	.001
	2N1183	PG 171	8	RCA,KSC	45	20	20.0	3.000	1.000	A	100J	.504	B	250UA	45	32	
	2N1183A	PG 171	8	RCA,KSC	60	30	20.0	3.000	1.000	A	100J	.504	B	250UA	60	32	
	2N1183B	PG 171	8	RCA,KSC	80	40	20.0	3.000	1.000	A	100J	.504	B	250UA	80	32	
	2N1184	PG 171	8	RCA,KSC	45	20	20.0	3.000	1.000	A	100J	.504	B	250UA	45	80	
	2N1184A	PG 171	8	RCA,KSC	60	20	20.0	3.000	1.000	A	100J	.504	B	250UA	60	80	
	2N1184B	PG 171	8	RCA,KSC	80	40	20.0	3.000	1.000	A	100J	.504	B	250UA	80	80	
	2N1185	PG 210	5	ETC,MOT	45	30R	30.0	.500	.200	A	100J	1.750	B	10UA	30	170	.010
	2N1186	PG 210	5	ETC,MOT	60	45R	30.0	.500	.200	A	100J	.750	B	10UA	45	44	.010
	2N1187	PG 210	5	ETC,MOT	60	45R	30.0	.500	.200	A	100J	1.000	B	10UA	45	75	.010
	2N1188	PG 210	5	MOT,ETC	60	45R	30.0	.500	.200	A	100J	1.250	B	10UA	45	115	.010
	2N1189	PG 210	5	MOT	45	30R	15.0	.500	.200	A	100J	1.750	B	50UA	45	90	.010
	2N1190	PG 210	5	MOT	45	30R	15.0	.500	.200	A	100J	2.250	B	50UA	45	136	.010
	2N1191	PG 210	5	ETC,MOT	40	25R	25.0	.200	.200	A	85J	1.500	B	15UA	25	40	.010
	2N1192	PG 210	5	ETC,MOT	40	25R	25.0	.200	.200	A	85J	2.000	B	15UA	25	74	.010
	2N1193	PG 210	5	ETC,MOT	40	25R	25.0	.200	.200	A	85J	2.500	B	15UA	25	145	.010
	2N1194	PG 210	5	ETC,MOT	40	25R	25.0	.200	.200	A	85J	3.000	B	15UA	25	275	.010
	2N1195	PG 211	5	MOT,TII	30		1.0	.040	.225	A	100J	1000.000	B	5UA	20	25	.010
	2N1198	NG 210	5	ETC	25	25	.5	.075	.075	A	85J	5.000	B	2UA	15	60	
	2N1199	NS 211	5	ETC	20	15	3.0	.100	.300	A	150J	75.000	G	700NA	10	27	.020
	2N1202	PG 427 A		SOL,HUG,KSC	80	60	28.0	3.500	34.000	C	100J	.200	G	2MA	80	70	.500
	2N1203	PG 427 A		SOL,HUG,KSC	120	70	28.0	3.500	34.000	C	100J	.200	G	2MA	120	44	2.000
	2N1204	PG 210	5	MOT	20	15	4.0	.500	.300	A	100J	110.000	G	7UA	5	35	.400
	2N1204A	PG 210	5	MOT	20	15	4.0	.500	.300	A	100J	110.000	G	7UA	5	50	.200
	2N1206	NS 210	5	ETC,TEC,HUG	60	60	3.0		1.000	A	200J			1UA	30	30	.050
	2N1207	NS 210	5	ETC,TEC,HUG,CRY	125	125	3.0		1.000	A	200J			1UA	30	30	.050
	2N1208	NS 561	61	TEC,SES,ETC,HUG,STC,CRY	60	60	10.0	5.000	85.000	C	200J	12.000	B	10MA	60	30	2.000
	2N1209	NS 561	61	TEC,SES,ETC,HUG,STC,SEN	45	45	5.0	5.000	85.000	C	200J	12.000	B	20MA	45	40	2.000
	2N1210	NS 731	53	TEC,ETC,HUG,STC	60	60	8.0	5.000	30.000	C	200J	15.000	B	1MA	60	35	2.000
	2N1211	NS 731	53	TEC,ETC,HUG,STC	80	80	8.0	5.000	30.000	C	200J	15.000	B	1MA	80	35	1.000
	2N1212	NS 561	61	TEC,ETC,HUG,STC,SEN	60	60	10.0	5.000	85.000	C	200J	10.000	B	10MA	60	22	1.000
	2N1217	NG 210	5	ETC	20	20	.5	.025	.075	A	85J	6.000	B	2UA	15	68	
-	2N1217+	NG 12 A		GEC	20	20	5.0	.025	.075	A	85J	6.000	B	1UA	15	60	
-	2N1218	NG 605	3	SYL	45	45		2.000	6.000	C	85J	.007	E	3MA	45	100	
	2N1219	PS 210	5	SSD,NSC,SOL,HUG,CRY	30	25	20.0	.100	.250	A	175J	5.000	B	100NA	10	27	.005
	2N1220	PS 210	5	SSD,NSC,SOL,HUG,CRY	30	25	20.0	.100	.250	A	175J	2.000	B	100NA	10	14	.005
	2N1221	PS 210	5	SSD,NSC,SOL,HUG,CRY	30	25	10.0	.100	.250	A	175J	5.000	B	100NA	10	27	.001
	2N1222	PS 210	5	SSD,NSC,SOL,HUG,CRY	30	25	10.0	.100	.250	A	175J	2.000	B	100NA	10	14	.001
	2N1223	PS 210	5	SSD,SOL,HUG,CRY	40	40	10.0	.100	.250	A	175J	2.000	B	100NA	10	10	.001
	2N1224	PG 217	33	AMP,RCA	40		.5	.010	.120	A	100J	30.000	B	12UA	12	60	
	2N1225	PG 217	33	AMP,CSF,RCA	40		.5	.010	.120	A	100J	100.000	B	12UA	12	60	
	2N1226	PG 217	33	AMP,RCA	60		.5	.010	.120	A	100J	30.000	B	12UA	12	60	
	2N1227	PG 605	3	SOL,HUG,KSC	40		10.0	3.000	50.000	C	100J	.006	E			100	.500
	2N1228	PS 210	5	HUG,SSD,NSC,SOL,CRY	15	15	15.0	.100	.400	A	160J	3.000	B	100NA	12	22	.001
	2N1229	PS 210	5	HUG,SSD,SOL,CRY	15	15	15.0	.100	.400	A	160J	4.000	B	100NA	12	44	.001
	2N1230	PS 210	5	HUG,SSD,SOL,CRY	35	35	35.0	.100	.400	A	160J	3.000	B	100NA	30	22	.001
	2N1231	PS 210	5	HUG,SSD,NSC,SOL,CRY	35	35	35.0	.100	.400	A	160J	4.000	B	100NA	30	44	.001
	2N1232	PS 210	5	HUG,SSD,NSC,SOL,CRY	60	60	60.0	.100	.400	A	160J	2.000	B	100NA	50	22	.001
	2N1233	PS 210	5	HUG,SSD,NSC,SOL,CRY	60	60	60.0	.100	.400	A	160J	2.000	B	100NA	50	44	.001
	2N1234	PS 210	5	HUG,SSD,SOL,CRY	110	110	99.0	.100	.400	A	160J	1.000	B	100NA	90	22	.001
	2N1235	NS 731	53	HUG	120	120R	10.0	2.000	85.000	C	200J	.050	E	10MA	120	27	1.000
	2N1238	PS 903 A		HUG,SOL	15	15	15.0		1.000	A	160C	.800	B	100NA	12	22	.001
	2N1239	PS 903 A		HUG,SOL	15	15	15.0		1.000	A	160J	.800	B	100NA	12	48	.001
	2N1240	PS 903 A		HUG,SOL	35	35	35.0		1.000	A	160C	.800	B	100NA	28	22	.001
	2N1241	PS 903 A		HUG,SOL	35	35	35.0		1.000	A	160C	.800	B	100NA	28	48	.001
	2N1242	PS 903 A		HUG,SOL	60	60	60.0		1.000	A	160C	.800	B	100NA	48	22	.001
	2N1243	PS 903 A		HUG,SOL	60	60	60.0		1.000	A	160C	.800	B	100NA	48	48	.001
	2N1244	PS 903 A		HUG,SOL	110	110	99.0		1.000	A	160J	.800	B	100NA	88	22	.001
	2N1247	NS 210	5	TEC,HUG	6	6	2.0	.005	.030	A	150J	5.000	G	5NA	10	30	
	2N1248	NS 210	5	TEC,HUG	6	6	1.0	.005	.030	A	150J	AUD		10NA	6	14	
	2N1249	NS 210	5	TEC,HUG	6	6	1.0	.005	.030	A	150A			10NA	3	30	.010
	2N1250	NS 730	53	TEC,HUG,STC	60	60		5.000	85.000	C	200J	.020	E	10MA	60	30	2.000
	2N1251	NG 210	5	ETC	20	15R	10.0	.100	.150	A	85J	.600	B	50UA	20	225	
-	2N1251+	NG 10	22	SYL	20	15R		.100	.150	A	85J	.350	G	50UA	20	150	
	2N1252	NS 211	5	SOL,RAY,TEC,HUG,FSC	30	20	5.0		.600	A	175J	40.000	G	100NA	30	30	.150
	2N1253	NS 211	5	SOL,RAY,TEC,HUG,FSC	30	20	5.0		.600	A	175J	50.000	G	100NA	30	60	.150
	2N1254	PS 210	5	HUG,TEC	30	30	5.0		.275	A	175A	30.000	G	200NA	24	25	
	2N1255	PS 210	5	HUG,TEC	30	30	5.0		.275	A	175A	50.000	G	200NA	24	40	
	2N1256	PS 210	5	HUG,TEC	40	40	5.0		.275	A	175A	30.000	G	200NA	32	25	
	2N1257	PS 210	5	HUG,TEC	40	40	5.0		.275	A	175A	50.000	G	200NA	32	40	
	2N1258	PS 210	5	HUG,TEC	30	30	5.0		.275	A	175A	50.000	G	200NA	24	75	
	2N1259	PS 210	5	HUG,TEC	50	50	5.0		.275	A	175A	40.000	G	200NA	40	25	
	2N1260	NS 731	53	HUG	120	120R	10.0	2.000	85.000	C	200J	.050	E	10MA	120	27	1.000
	2N1261	PG 427 A		SOL,HUG,KSC	80	45	28.0	3.500	32.000	C	95J	.200	G	2MA	80	36	2.000
	2N1262	PG 427 A		SOL,HUG,KSC	80	45	28.0	3.500	32.000	C	95J	.200	G	2MA	80	50	2.000
	2N1263	PG 427 A		SOL,HUG,KSC	80	45	28.0	3.500	32.000	C	95J	.200	G	2MA	80	76	2.000
-	2N1264	PG 75 A		SYL	20		.1	.010	.050	A	75J	10.000	G	50UA	20	30	
-	2N1265	PG 10	22	SYL	10	10		.100	.050	A	85J	.600	B	100UA	10	60	
	2N1265/5	PG 210	5	ETC	20	10	10.0	.100	.100	A	85J	1.000	B	10UA	10	80	
	2N1266	PG 210	5	ETC		10R			.080	A	85J	3.000	B	100UA	10	15	
-	2N1266+	NG 10	22	SYL	10	10			.080	A	85J	5.000	G	100UA	10	48	
	2N1267	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	45.000	G	700NA	10	10	.002
	2N1268	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	45.000	G	700NA	10	20	.002
	2N1269	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	45.000	G	700NA	10	50	.002
	2N1270	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	125.000	G	700NA	10	10	.002
	2N1271	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	125.000	G	700NA	10	20	.002
	2N1272	NS 211	5	ETC	20	15	2.0	.100	.300	A	150J	125.000	G	700NA	10	50	.002

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.						
	2N1273	PG 210	5	ETC,TII	15	15	10.0	.150	.150	A	85J	1.000	B	14UA	12	100	.050
	2N1274	PG 210	5	ETC,TII	25	25	10.0	.150	.150	A	85J	1.000	B	14UA	12	100	.050
	2N1275	PS 210	5	HUG,NSC,SOL,CRY	100	80	60.0	.050	.250	A	160J	.100	B	1UA	60	15	
	2N1276	NS 210	5	ETC,TII,TEC,HUG	40	30	1.0	.025	.150	A	150J	15.000	B	1UA	30	14	
	2N1277	NS 210	5	ETC,TII,TEC,HUG	40	30	1.0	.025	.150	A	150J	15.000	B	1UA	30	29	
	2N1278	NS 210	5	ETC,TII,TEC,HUG	40	30	1.0	.025	.150	A	150J	15.000	B	1UA	30	60	
	2N1279	NS 210	5	ETC,TII,TEC,HUG	40	30	1.0	.025	.150	A	150J	15.000	B	1UA	30	150	
	2N1280	PG 210	5	ETC	16	16	10.0	.400	.200	A	85J	50.000	B	10UA	10	80	
	2N1281	PG 210	5	ETC	16	12	10.0	.400	.200	A	85J	7.000	B	10UA	10	120	
	2N1282	PG 210	5	ETC	20	6	10.0	.400	.200	A	85J	10.000	B	10UA	10	140	
	2N1284	PG 210	5	ETC	30	20R	10.0	.400	.150	A	85J	5.000	B	6UA	20	60	
-	2N1285	PG 217	33	SYL	40		2.5	.010	.240	A	100J	100.000	B	12UA	12	60	
-	2N1289	NG 217	33	GEC	25	15R	15.0	.100	.075	A	85J	40.000	B	5UA	15	120	
	2N1291	PG 605	3	ETC,KSC	35	30	15.0	3.000	20.000	C	85J			2MA	35	45	.500
	2N1292	NG 605	3	KSC	35	30S	15.0	3.000	25.000	C	100J	AUD		1MA	35	60	.500
	2N1293	PG 605	3	ETC,KSC	60	45S	15.0	3.000	20.000	C	95J			2MA	60	52	.500
	2N1294	NG 605	3	KSC	60	45S	15.0	3.000	25.000	C	100J	AUD		2MA	60	60	.500
	2N1295	PG 605	3	ETC,KSC	80	80S	15.0	3.000	20.000	C	95J			2MA	80	60	.500
	2N1296	NG 605	3	KSC	80	60S	15.0	3.000	25.000	C	100J	AUD		3MA	80	60	.500
	2N1297	PG 605	3	ETC,KSC	100	80S	15.0	3.000	20.000	C	95J			4MA	100	52	.500
	2N1298	NG 605	3	KSC	100	75		3.000	25.000	C	100J	AUD				60	.500
	2N1299	NG 212	5	ETC	40	20R	15.0	.200	.200	A	100J	4.000	B	100UA	40	70	
-	2N1300	PG 210	5	RCA	13	12	1.0	.100	.150	A	85J	25.000	G	3UA	6	50	
-	2N1301	PG 210	5	RCA	13	12	4.0	.100	.150	A	85J	35.000	G	3UA	6	50	
	2N1302	NG 212	5	RCA,GIC,TII,ETC,AMP,TIL	25	25	25.0	.300	.150	A	85A	3.000	B	6UA	25	50	.010
	2N1303	PG 212	5	GEC,RCA,TII,AMP,TAD,ETC	25	25	25.0	.300	.150	A	85A	3.000	B	6UA	25	50	.010
	2N1304	NG 212	5	AMP,RCA,TAD,TII,ETC,HUG	25	25	25.0	.300	.150	A	85A	5.000	B	6UA	25	70	.010
	2N1305	PG 212	5	GEC,RCA,TAD,AMP,TII,ETC	25	25	25.0	.300	.150	A	85A	5.000	B	6UA	25	70	.010
	2N1306	NG 212	5	AMP,RCA,GIC,TAD,TII,ETC	25	25	25.0	.300	.150	A	85A	10.000	B	6UA	25	100	.010
	2N1307	PG 212	5	GEC,RCA,GIC,TAD,TII,ETC	25	25	25.0	.300	.150	A	85A	10.000	B	6UA	25	100	.010
	2N1308	NG 212	5	AMP,RCA,TAD,TII,ETC,TIL	25	25	25.0	.300	.150	A	85A	15.000	B	6UA	25	150	.010
	2N1309	PG 212	5	RCA,TII,TAD,ETC,AMP,TIL	25	25	25.0	.300	.150	A	85A	15.000	B	6UA	25	150	.010
	2N1310	NG 210	5	GIC	90		20.0		.120	A	85J	2.400	B	7UA	5	42	.005
	2N1311	NG 210	5	GIC	75		20.0		.120	A	85J	2.200	B	7UA	5	38	.005
	2N1312	NG 210	5	GIC	50		20.0		.120	A	85J	2.600	B	7UA	5	46	.005
	2N1313	PG 210	5	ETC	30	15	20.0	.400	.175	A	85J	6.000	B	5UA	15	50	.400
	2N1314	PG 605	3	PHN,RAD	32	16	10.0	3.500	55.000	A	90J	.004	E	100UA	14	50	
	2N1316	PG 210	5	ETC	30	15	20.0	.400	.200	A	85J	10.000	B	25UA	30	130	
	2N1317	PG 210	5	ETC	20	12	15.0	.400	.200	A	85J	10.000	B	6UA	12	120	
	2N1318	PG 210	5	ETC	10	6	8.0	.400	.200	A	85J	10.000	B	20UA	15	100	
-	2N1319	PG 229	5	TII	20	20	20.0	.400	.120	A	71A	3.000	B	6UA	12	30	
	2N1321	NG 430	10	KSC	35	30S	15.0	3.000	25.000	C	100J	A00500		1MA	35	60	.500
	2N1323	NG 430	10	KSC	60	30S	15.0	3.000	25.000	C	100J	AUD		2MA	60	60	.500
	2N1325	NG 430	10	KSC	80	60S	15.0	3.000	25.000	C	100J	AUD		3MA	80	60	.500
	2N1327	NG 430	10	KSC	100	75		3.000	25.000	C	100J	.008	E			60	.500
	2N1328	PG 430	13	KSC	35	30		3.000	20.000	C	100J	.008	E			60	.500
	2N1329	NG 430	13	KSC	35	25		3.000	25.000	C	100J	.008	E			60	.500
	2N1330	NG 430	13	KSC	60	40		3.000	25.000	C	100J	.008	E			60	.500
	2N1331	PG 430	13	KSC	80	60		3.000	20.000	C	100J	.008	E			60	.500
	2N1332	NG 430	13	KSC	80	55		3.000	25.000	C	100J	.008	E			60	.500
	2N1333	PG 430	13	KSC	100	80		3.000	20.000	C	100J	.008	E			60	.500
	2N1334	NG 430	13	KSC	100	75		3.000	25.000	C	100J	.008	E			60	.500
	2N1335	NS 211	5	HUG	120	45	4.0	.300	.800	A	175J	70.000	G	1UA	90	50	.030
	2N1336	NS 211	5	TRW,HUG	120	45	4.0	.300	.800	A	175J	70.000	G	1UA	90	50	.030
	2N1337	NS 211	5	TRW,HUG	120	45	4.0	.300	.800	A	175J	70.000	G	1UA	90	50	.030
	2N1338	NS 211	5	TRW,HUG	80	25	3.0	.300	.800	A	175J	70.000	G	10UA	10	50	.030
	2N1339	NS 211	5	TRW,HUG	120	50	3.0	.300	.800	A	175J	70.000	G	1UA	10	50	.030
	2N1340	NS 211	5	TRW,HUG	120	50	3.0	.300	.800	A	175J	70.000	G	1UA	10	50	.030
	2N1341	NS 211	5	TRW,HUG	120	50	3.0	.300	.800	A	175J	70.000	G	1UA	10	50	.030
	2N1342	NS 211	5	TRW,HUG	150	65	5.0	.300	.800	A	175J	70.000	G	10UA	120	50	.030
	2N1343	PG 210	5	ETC	20	16	10.0	.400	.150	A	85J	4.000	B	6UA	15	30	
	2N1344	PG 210	5	ETC	15	10	10.0	.400	.150	A	85J	7.000	B	10UA	15	120	
	2N1345	PG 210	5	ETC	12	8	5.0	.400	.150	A	85J	10.000	B	6UA	12	55	.400
	2N1346	PG 210	5	ETC	12	10	8.0	.400	.150	A	85J	10.000	B	5UA	5	160	
	2N1347	PG 210	5	ETC	20	12	10.0	.200	.150	A	85J	5.000	B	6UA	12	60	
	2N1348	PG 210	5	ETC	40	12	25.0	.400	.200	A	85J	5.300	B	10UA	12	68	.010
	2N1349	PG 210	5	ETC	40	15	25.0	.400	.200	A	85J	10.000	B	10UA	12	75	.010
	2N1350	PG 210	5	ETC	40	20	25.0	.400	.200	A	85J	8.000	B	20UA	30	68	.010
	2N1351	PG 210	5	ETC	40	18	25.0	.400	.200	A	85J	8.000	B	10UA	12	68	.010
	2N1352	PG 210	5	ETC	30	20	15.0	.200	.150	A	85J	1.250	B	5UA	30	70	
	2N1353	PG 210	5	ETC	15	10	10.0	.200	.200	A	85J	1.500	B	6UA	10	100	
	2N1354	PG 210	5	ETC	30	15	20.0	.200	.200	A	85J	3.000	B	6UA	15	100	
	2N1355	PG 210	5	ETC	30	20	20.0	.200	.200	A	85J	5.000	B	6UA	20	100	
	2N1356	PG 210	5	ETC	30	20	20.0	.200	.200	A	85J	5.000	B	6UA	20	100	
	2N1357	PG 210	5	ETC	30	15	20.0	.200	.200	A	85J	10.000	B	6UA	15	100	
	2N1358	PG 405	36	CSF,DEL,MOT,ETC,SOL,HUG	80	40	60.0	15.000	150.000	C	100J	.100	B	4MA	80	60	1.200
	2N1358A	PG 405	36	DEL,ETC,MOT	100	40	60.0	15.000	150.000	C	110J	.100	B	4MA	100	40	5.000
	2N1359	PG 605	3	SOL,MOT,HUG,ETC,KSC	50	40S	12.0	3.000	90.000	C	100J	.007	E	3MA	40	60	1.000
	2N1360	PG 605	3	SOL,MOT,ETC,HUG,KSC	50	40S	12.0	3.000	90.000	C	100J	.005	E	3MA	40	90	1.000
	2N1362	PG 605	3	SOL,MOT,ETC,HUG,KSC	100	75S	12.0	3.000	90.000	C	100J	.007	E	3MA	75	60	1.000
	2N1363	PG 605	3	SOL,MOT,ETC,HUG,KSC	100	75S	12.0	3.000	90.000	C	100J	.005	E	3MA	75	90	1.000
	2N1364	PG 605	3	SOL,MOT,ETC,HUG	120	100S	12.0	3.000	90.000	C	100J	.007	E	3MA	100	60	1.000
	2N1365	PG 605	3	SOL,MOT,ETC,HUG	120	100S	12.0	3.000	90.000	C	100J	.005	E	3MA	100	90	1.000
	2N1370	PG 210	5	ETC,TII	25	25R	10.0	.200	.150	A	85J	1.000	B	14UA	20	100	.050
	2N1371	PG 210	5	ETC,TII	45	45R	10.0	.200	.150	A	85J	1.000	B	14UA	20	100	.050
	2N1372	PG 210	5	ETC,TAD,TII	25	25	15.0	.200	.250	A	100J	.750	B	7UA	20	60	.050
	2N1373	PG 210	5	ETC,TAD,TII	45	45	25.0	.200	.250	A	100J	.750	B	7UA	20	60	.050
	2N1374	PG 210	5	ETC,TAD,TII	25	25	15.0	.200	.250	A	100J	1.000	B	7UA	20	90	.050
	2N1375	PG 210	5	ETC,TAD,TII	45	45	25.0	.200	.250	A	100J	1.000		7UA	20	90	.050
	2N1376	PG 210	5	ETC,TAD,TII	25	25	15.0	.200	.250	A	100J	1.000	B	7UA	20	100	.050
	2N1377	PG 210	5	ETC,TAD,TII	45	45	25.0	.200	.250	A	100J	1.000	B	7UA	20	100	.050
	2N1378	PG 210	5	ETC,TAD,TII	12	12	7.0	.200	.250	A	100J	1.500	B	7UA	12	200	.050
	2N1379	PG 210	5	ETC,TAD,TII	25	25	15.0	.200	.250	A	100J	1.500	B	7UA	20	200	.050
	2N1380	PG 210	5	ETC,TAD,TII	12	12	7.0	.200	.250	A	100J	1.500	B	14UA	12	200	.050
	2N1381	PG 210	5	ETC,TAD,TII	25	25	15.0	.200	.250	A	100J	1.500	B	14UA	20	100	.050
	2N1382	PG 210	5	ETC	25	25	15.0	.200	.250	A	85J	2.000	B	14UA	20	90	.050
	2N1382+	PG 170	9	TII	25	25	15.0	.200	.200	A	85J	2.000	B	14UA	20	80	
	2N1383	PG 210	5	ETC	25	25	15.0	.200	.200	A	85J	1.500	B	14UA	20	72	.050
-	2N1383+	PG 170	9	TII	25	25	15.0	.200	.200	A	85J	1.500	B	14UA	20	50	
-	2N1384	PG 210	11	RCA	30	30	1.0	.500	.240	A	85A	20.000	G	8UA	12	50	
	2N1386	NS 210	5	ETC	25	25S	3.0	.050	.250	A	150J	25.000	B	100NA	6	52	.010
	2N1387	NS 210	5	ETC	30	30S	3.0	.050	.250	A	150J	25.000	B	100NA	6	30	.010
	2N1391	NS 210	5	ETC	25	18	15.0		.150	A	100J	3.000	B	4UA	5	80	.020
	2N1395	PG 217	33	AMP,RCA	40		.5	.010	.240	A	100J	30.000	B	12UA	12	90	
	2N1396	PG 217	33	AMP,RCA	40		.5	.010	.240	A	100J	100.000	B	12UA	12	90	
	2N1397	PG 217	33	RCA	40		.5	.010	.240	A	100J	30.000	B	12UA	12	90	
	2N1404	PG 212	5	TII,ETC	25	25	20.0	.300	.200	A	85J	4.000	B	5UA	15		
-	2N1405	PG 217	12	TII	30	20	1.0	.050	.075	A	100J	250.000	G	5UA	12	10	
-	2N1406	PG 217	12	TII	30	20	1.0	.050	.075	A	100J	250.000	G	5UA	12	10	
-	2N1407	PG 217	12	TII	30	20	1.0	.050	.075	A	100J	200.000	G	5UA	12	10	
	2N1408	PG 210	5	MOT,ETC,GIC	50	50S	10.0	.200	.150	A	85J	AUD		7UA	5	20	
	2N1409	NS 211	5	TRW,ETC	30	25R	4.0		.600	C	175J	50.000	G	10UA	20	26	.150
	2N1409A	NS 211	5	TRW,ETC	30	25R	4.0		.800	C	175J	50.000	G	10UA	20	26	.150
	2N1410	NS 211	5	TRW,ETC	45	30R	4.0		.600	C	175J	50.000	G	10UA	20	52	.150
	2N1410A	NS 211	5	TRW,ETC	45	30R	4.0		.800	C	175J	50.000	G	10UA	20	52	.150
	2N1411	PG 116	24	SPR,HUG	5	5S		.050	.025	A	85J	MS SW		5UA	5	32	.050
	2N1412	PG 405	36	SOL,DEL,MOT,RCA,ETC,HUG	100	65	80.0	15.000	150.000	C	100J	.010	E	4MA	100	37	5.000
	2N1413	PG 212	5	GEC,TAD,ETC,MOT	35	25R	10.0	.200	.200	A	85J	.800	B	12UA	30	36	
	2N1414	PG 212	5	GEC,TAD,MOT,ETC	35	25	10.0	.200	.200	A	85J	1.000	B	12UA	30	52	
	2N1415	PG 212	5	GEC,TAD,ETC,MOT	35	25	10.0	.200	.200	A	85J	1.300	B	12UA	30	72	
	2N1416			M.P.2N223													
	2N1417	NS 210	5	TEC,HUG	15	15	2.0	.050	.150	A	150A			10UA	30	30	.010
	2N1418	NS 210	5	TEC,HUG	30	30	2.0	.050	.150	A	150A			1UA	15	30	.001
	2N1420	NS 210	5	MOT,GIC,TRW,TII,SES,ETC	60	30R	5.0		.600	A	175J	50.000	G	1UA	30	180	.150
	2N1420A	NS 211	5	TRW,HUG	60	40R	7.0	1.000	.800	A	200J	60.000	G	10NA	50	170	.150
-	2N1425	PG 75	7	RCA	24		.5	.010	.080	A	85J	33.000	B	12UA	12	50	
-	2N1426	PG 75	7	RCA	24		.5	.010	.080	A	85J	33.000	B	12UA	12	130	
	2N1427	PG 116	24	SPR,HUG	6	6S	6.0	.050	.025	A	85J	50.000	G	5UA	6	50	
	2N1429	NS 210	5	SOL,HUG,CRY	6	6	6.0		.400	A		10.000	B	100NA		37	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N1430	PG 607	41	SOL	80			10.000	50.000	C	110J	.005	E	200UA	2	56	5.000
	2N1431	NG 210	5	ETC	20	15	1.0	.100	.180	A	75J	.010	B	50UA	20	90	
-	2N1431+	NG 10	22	SYL	20	15	10.0	.100	.180	A	75J	.200	G	50UA	20	110	
-	2N1432	PG 217	33	SYL	45	45	.5	.010	.100	A	100J	7.000	G	15UA	45	60	
-	2N1433	PG 427	10	CBS	80	50	28.0	3.500	35.000	C	95J	.200	B	2MA	80	30	
-	2N1434	PG 427	10	CBS	80	50	28.0	3.500			95J	.200	B	2MA	80	80	
-	2N1435	PG 427	10	CBS	80	50	28.0	3.500			95J	.200	B	2MA	80	50	
	2N1437	PG 430	13	KSC	100	90		3.000	20.000	C	100J	.008	E			30	.500
	2N1438	PG 430	10	KSC	100	90S		3.000	20.000	C	100J	.008	E			30	.500
	2N1439	PS 210	5	SOL,HUG,CRY	50	50	50.0	.100	.400	A	200J	.500	B	25NA	15	13	.001
	2N1440	PS 210	5	NSC,ETC,SOL,HUG,CRY	60	30	60.0	.100	.400	A	200J	1.000	B	25NA	60	16	
	2N1441	PS 210	5	NSC,ETC,SOL,HUG,CRY	50	35	50.0	.100	.400	A	200J	1.000	B	25NA	50	26	
	2N1442	PS 210	5	NSC,ETC,SOL,HUG,CRY	50	30	50.0	.100	.400	A	200J	1.000	B	25NA	50	48	
	2N1443	PS 210	5	NSC,SOL,HUG,CRY	50	15	50.0	.100	.400	A	200J	1.000	B	25NA	50	70	
	2N1445	NS 211	5	HUG	120		8.0	.750	.800	A	200J	.075	E	10UA	120	40	.200
	2N1446	PG 210	5	ETC	45	25	15.0	.400	.200	A	85J	1.000	B	10UA	30	30	
	2N1447	PG 210	5	ETC	45	25	15.0	.400	.200	A	85J	1.500	B	10UA	30	40	
	2N1448	PG 210	5	ETC	45	25	15.0	.400	.200	A	85J	2.000	B	10UA	30	60	
	2N1449	PG 210	5	ETC	45	25	15.0	.400	.200	A	85J	2.250	B	10UA	30	100	
	2N1450	PG 210	5	ETC	30	20	1.0	.100	.120	A	85J			10UA	7	40	.010
-	2N1450+	PG 217	33	SYL	30	20	1.0	.100	.120	A	100J	MS SW		100UA	30	40	
	2N1451	PG 210	5	ETC	45	20	10.0	.400	.200	A	85J	.750	B	15UA	45	40	
	2N1452	PG 210	5	ETC	45	20	10.0	.400	.200	A	85J	1.150	B	15UA	45	60	
	2N1465	PG 430	13	KSC	120	100		3.000	20.000	C	100J	.008	E			30	.500
	2N1466	PG 430	10	KSC	120	100S		3.000	20.000	C	100J	.008	E			30	.500
	2N1469	PS 210	5	SSD,SOL,HUG,CRY	40	35	40.0	.100	.250	A	175J	2.000	B	25NA	35	50	
	2N1471	PG 210	5	ETC	15	12	7.0	.200	.200	A	85J	3.000	B	5UA	15	160	
	2N1472	NS 211	5	ETC	25	25	3.0	.100	.300	A	150J	75.000	G	500NA	10	30	.010
	2N1473	NG 212	5	ETC	40	40R	15.0	.400	.250	A	85J	4.000	B	50UA	40	38	.400
	2N1474	PS 210	5	SSD,NSC,SOL,HUG,CRY	60	60	60.0	.100	.250	A	175J	1.000	B	50NA	50	30	.001
	2N1474A	PS 210	5	SSD,SOL,HUG,CRY	60	60	60.0	.100	.250	A	175J	2.000	B	50NA	50	26	.001
	2N1475	PS 210	5	SSD,NSC,SOL,HUG,CRY	60	60	60.0	.100	.250	A	175J	1.000	B	50NA	50	60	.001
	2N1476	PS 210	5	SSD,NSC,SOL,HUG,CRY	100	100	100.0	.100	.250	A	175J	1.000	B	200NA	80	24	.001
	2N1477	PS 210	5	SSD,SOL,HUG,CRY	100	100	100.0	.100	.250	A	175J	1.000	B	200NA	80	44	.001
	2N1478	PG 211	5	ETC	30	20R	20.0	.500	.250	A	100J	3.000	B	25UA	30	60	.100
	2N1479	NS 211	5	AMF,RCA,TEC,HUG,KSC	60	40	12.0	1.500	5.000	C	200J	1.500	B	10UA	30	36	
	2N1480	NS 211	5	AMF,RCA,TEC,HUG,STC	100	55	12.0	1.500	5.000	C	200J	1.500	B	10UA	30	36	
	2N1481	NS 211	5	AMF,RCA,TEC,HUG,STC	60	40	12.0	1.500	5.000	C	200J	1.500	B	10UA	30	70	
	2N1482	NS 211	5	AMF,RCA,TEC,HUG,STC	100	55	12.0	1.500	5.000	C	200J	1.500	B	10UA	30	70	
	2N1483	NS 171	8	AMF,RCA,ETC,STC,SEN	60	40	12.0	3.000	25.000	C	200J	1.250	B	15UA	30	36	.750
	2N1484	NS 171	8	AMF,ETC,STC,SEN,RCA	100	55	12.0	3.000	25.000	C	200J	1.250	B	15UA	30	36	.750
	2N1485	NS 171	8	AMF,RCA,ETC,STC,SEN	60	40	12.0	3.000	25.000	C	200J	1.250	B	15UA	30	70	.750
	2N1486	NS 171	8	AMF,RCA,ETC,STC,SEN	100	55	12.0	3.000	25.000	C	200J	1.250	B	15UA	30	70	.750
	2N1487	NS 605	3	AMF,SOL,RCA,ETC,HUG,STC	60	40	10.0	6.000	75.000	C	200J	1.000	B	25UA	30	30	1.500
	2N1488	NS 605	3	AMF,SOL,ETC,RCA,HUG,STC	100	55	10.0	6.000	75.000	C	200J	1.000	B	25UA	30	30	1.500
	2N1489	NS 605	3	AMF,SOL,RCA,ETC,HUG,STC	60	40	10.0	6.000	75.000	C	200J	1.000	B	25UA	30	40	1.500
	2N1490	NS 605	3	AMF,SOL,RCA,ETC,HUG,STC	100	55	10.0	6.000	75.000	C	200J	1.000	B	25UA	30	40	1.500
	2N1491	NS 217	12	RCA	30		1.0	.005	.500	A	175C	250.000	B	10UA	12	60	
	2N1492	NS 217	12	RCA	60		2.0	.005	.500	A	175C	275.000	B	10UA	12	60	
	2N1493	NS 217	12	RCA	100		4.5	.005	.500	A	175C	300.000	B	10UA	12		
	2N1494	PG 211 P		MOT	20	15	4.0	.500	.750	C	100J	110.000	G	7UA	5	35	.400
	2N1494A	PG 211 P		MOT	20	15	4.0	.500	.750	C	100J	110.000	G	7UA	5	50	.200
	2N1495	PG 210	5	MOT	40	25	4.0	.500	.300	A	100J	150.000	G	7UA	5	50	.200
	2N1496	PG 211 P		MOT	40	25	4.0	.500	.750	C	100J	150.000	G	7UA	5	50	.200
	2N1499	PG 170	9	ETC,HUG	20	15S	2.0	.050	.025	A	85J			100UA	20	30	.040
	2N1499A	PG 170	9	SPR,ETC,HUG	20	20S	2.0	.100	.060	A	100J	100.000	G	3UA	5	50	.040
	2N1499B	PG 170	9	SPR,ETC,HUG	30	20	2.0	.100	.075	A	100J	150.000	G	3UA	5	80	.010
	2N1500	PG 170	9	SPR,ETC,HUG	15	12S	2.0	.050	.060	A	100J	120.000	G	5UA	5	50	
	2N1501	PG 427 A		SOL,HUG,KSC	60	40	28.0	3.500	32.000	C	100J	.200	G	2MA	60	60	2.000
	2N1502	PG 427 A		SOL,HUG,KSC	40	40	28.0	3.500	32.000	C	100J	.200	G	2MA	40	60	2.000
	2N1504	PG 430	10	KSC	80	60S		3.000	20.000	C	100J	.008	E			30	.500
	2N1505			SEE RF POWER SECTION													
	2N1506			SEE RF POWER SECTION													
	2N1506A			SEE RF POWER SECTION													
	2N1507	NS 211	5	TRW,TII,RAY,ETC,HUG,TIL	60	25	5.0		.600	A	175J	50.000	G	1UA	30	160	
-	2N1510	NG 12 A		GEC	75	70R	8.0	.020	.075	A	85J			5UA	75	50	
	2N1511	NS 405	36	HUG	60	40	10.0	6.000	75.000	C	200A	1.000	B	25UA	30	30	
	2N1512	NS 405	36	HUG	100	55	10.0	6.000	75.000	C	200A	1.000	B	25UA	30	30	
	2N1513	NS 405	36	HUG	60	40	10.0	6.000	75.000	C	200A	1.000	B	25UA	30	50	
	2N1514	NS 405	36	HUG	100	55	10.0	6.000	75.000	C	200A	1.000	B	25UA	30	50	
	2N1518	PG 405	36	DEL,ETC,SOL	50	40	30.0	25.000	150.000	C	100J	.004	E	4MA	50	30	15.000
	2N1519	PG 405	36	DEL,ETC,SOL	80	60	30.0	25.000	150.000	C	100J	.004	E	4MA	80	30	15.000
	2N1520	PG 405	36	DEL,ETC,SOL	50	40	30.0	35.000	150.000	C	100J	.004	E	4MA	50	34	15.000
	2N1521	PG 405	36	DEL,ETC,SOL	80	60	30.0	35.000	150.000	C	100J	.004	E	4MA	80	34	15.000
	2N1522	PG 405	36	DEL,ETC,SOL	50	40	30.0	50.000	150.000	C	100J	.004	E	4MA	50	50	15.000
	2N1523	PG 405	36	DEL,ETC,SOL	80	60	30.0	50.000	150.000	C	100J	.004	E	4MA	80	50	15.000
	2N1524	PG 120	1	RCA	24		.5	.010	.080	A	71A	33.000	B	16UA	12	60	
-	2N1525	PG 55	40	RCA	24		.5	.010	.080	A	71A	33.000	B	16UA	12	60	
	2N1526	PG 120	1	RCA	24		.5	.010	.080	A	71A	33.000	B	16UA	12	130	
-	2N1527	PG 55	40	RCA	24		.5	.010	.080	A	71A	33.000	B	16UA	12	130	
	2N1529	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	40	20	20.0	5.000	90.000	C	100J	.010	E	2MA	25	30	3.000
	2N1529A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	5.000	106.000	C	110J	.004	E	2MA	25	30	3.000
	2N1530	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	60	30	30.0	5.000	90.000	C	100J	.010	E	2MA	40	30	3.000
	2N1530A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	5.000	106.000	C	110J	.004	E	2MA	40	30	3.000
	2N1531	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	80	40	40.0	5.000	90.000	C	100J	.010	E	2MA	55	30	3.000
	2N1531A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	5.000	106.000	C	110J	.004	E	2MA	55	30	3.000
	2N1532	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	100	50	50.0	5.000	90.000	C	100J	.010	E	2MA	65	30	3.000
	2N1532A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	5.000	106.000	C	110J	.004	E	2MA	65	30	3.000
	2N1533	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	120	60	60.0	5.000	90.000	C	100J	.010	E	2MA	80	30	3.000
	2N1534	PG 605	3	SOL,DEL,MOT,ETC,TII,HUG	40	20	20.0	5.000	90.000	C	100J	.008	E	2MA	25	52	3.000
	2N1534A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	5.000	106.000	C	110J	.004	E	2MA	25	52	3.000
	2N1535	PG 605	3	SOL,DEL,MOT,ETC,TII,HUG	60	30	30.0	5.000	90.000	C	100J	.008	E	2MA	40	52	3.000
	2N1535A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	5.000	106.000	C	110J	.004	E	2MA	40	52	3.000
	2N1536	PG 605	3	SOL,DEL,MOT,ETC,TII,HUG	80	40	40.0	5.000	90.000	C	100J	.008	E	2MA	55	52	3.000
	2N1536A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	5.000	106.000	C	110J	.004	E	2MA	55	52	3.000
	2N1537	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	100	50	50.0	5.000	90.000	C	100J	.008	E	2MA	65	52	3.000
	2N1537A	PG 605	3	MOT,SOL,ETC,HUG,KSC	100	50	50.0	5.000	106.000	C	110J	.004	E	2MA	65	52	3.000
	2N1538	PG 605	3	SOL,MOT,ETC,TII,HUG,KSC	120	60	60.0	5.000	90.000	C	100J	.008	E	2MA	80	52	3.000
	2N1539	PG 605	3	DEL,MOT,TII,ETC,SOL,HUG	40	20	12.0	5.000	90.000	C	100J	.200	G	2MA	25	75	3.000
	2N1539A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	5.000	90.000	C	100J	.004	E	2MA	25	74	3.000
	2N1540	PG 605	3	DEL,MOT,TII,ETC,SOL,HUG	60	30	12.0	5.000	90.000	C	100J	.200	G	2MA	40	75	3.000
	2N1540A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	5.000	90.000	C	100J	.004	E	2MA	40	74	3.000
	2N1541	PG 605	3	DEL,MOT,TII,ETC,SOL,HUG	80	40	12.0	5.000	90.000	C	100J	.200	G	2MA	55	75	3.000
	2N1541A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	5.000	90.000	C	100J	.004	E	2MA	55	74	3.000
	2N1542	PG 605	3	DEL,MOT,TII,ETC,SOL,HUG	100	50	12.0	5.000	90.000	C	100J	.200	G	2MA	65	75	3.000
	2N1542A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	5.000	90.000	C	100J	.004	E	2MA	65	74	3.000
	2N1543	PG 605	3	DEL,MOT,TII,ETC,SOL,HUG	120	60	12.0	5.000	90.000	C	100J	.200	G	2MA	80	75	3.000
	2N1544	PG 605	3	DEL,MOT,ETC,TII,SOL,HUG	40	20	12.0	5.000	90.000	C	100J	.002	E	2MA	25	110	3.000
	2N1544A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	5.000	90.000	C	100J	.004	E	2MA	25	100	3.000
	2N1545	PG 605	3	DEL,MOT,ETC,TII,SOL,HUG	60	30	12.0	5.000	90.000	C	100J	.002	E	2MA	40	110	3.000
	2N1545A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	5.000	90.000	C	100J	.004	E	2MA	40	100	3.000
	2N1546	PG 605	3	DEL,MOT,ETC,TII,SOL,HUG	80	40	12.0	5.000	90.000	C	100J	.002	E	2MA	55	110	3.000
	2N1546A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	5.000	90.000	C	100J	.004	E	2MA	55	100	3.000
	2N1547	PG 605	3	DEL,MOT,ETC,TII,SOL,HUG	100	50	12.0	5.000	90.000	C	100J	.002	E	2MA	65	110	3.000
	2N1547A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	5.000	90.000	C	100J	.004	E	2MA	65	100	3.000
	2N1548	PG 605	3	MOT,ETC,TII,SOL,HUG,KSC	120	60	12.0	5.000	90.000	C	100J	.002	E	2MA	80	110	3.000
	2N1549	PG 605	3	MOT,ETC,SOL,HUG,KSC	40	20	20.0	15.000	90.000	C	100J	.010	E	3MA	25	20	9.900
	2N1549A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	15.000	90.000	C	100J	.010	E	3MA	25	20	9.999
	2N1550	PG 605	3	MOT,ETC,SOL,HUG,KSC	60	30	30.0	15.000	90.000	C	100J	.010	E	3MA	45	20	9.900
	2N1550A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	15.000	90.000	C	100J	.010	E	3MA	40	20	9.999
	2N1551	PG 605	3	MOT,ETC,SOL,HUG,KSC	80	40	40.0	15.000	90.000	C	100J	.010	E	3MA	55	20	9.900
	2N1551A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	15.000	90.000	C	100J	.010	E	3MA	55	20	9.999
	2N1552	PG 605	3	MOT,ETC,SOL,HUG,KSC	100	50	50.0	15.000	90.000	C	100J	.010	E	3MA	65	20	9.900
	2N1552A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	15.000	90.000	C	100J	.010	E	3MA	65	20	9.999
	2N1553	PG 605	3	MOT,ETC,SOL,HUG,KSC	40	20	12.0	15.000	90.000	C	100J	.006	E	3MA	25	44	9.900
	2N1553A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	15.000	90.000	C	100J	.006	E	3MA	25	44	9.999
	2N1554	PG 605	3	MOT,ETC,SOL,HUG,KSC	60	30	12.0	15.000	90.000	C	100J	.010	E	3MA	40	44	9.900
	2N1554A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	15.000	90.000	C	100J	.006	E	3MA	40	44	9.999
	2N1555	PG 605	3	MOT,ETC,SOL,HUG,KSC	80	40	12.0	15.000	90.000	C	100J	.006	E	3MA	55	44	9.900

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2N1555A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	15.000	90.000	C	100J		.006	E	3MA	55	44	9.999
	2N1556	PG 605	3	MOT,ETC,SOL,HUG,KSC	100	50	12.0	15.000	90.000	C	100J		.010	E	3MA	65	20	9.900
	2N1556A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	15.000	90.000	C	100J		.006	E	3MA	65	44	9.999
	2N1557	PG 605	3	MOT,ETC,SOL,HUG,KSC	40	20	12.0	15.000	90.000	C	100J		.005	E	3MA	25	70	9.900
	2N1557A	PG 605	3	MOT,SOL,HUG,KSC	40	20	20.0	15.000	90.000	C	100J		.005	E	3MA	25	74	9.999
	2N1558	PG 605	3	MOT,ETC,SOL,HUG,KSC	60	30	12.0	15.000	90.000	C	100J		.005	E	3MA	40	70	9.900
	2N1558A	PG 605	3	MOT,SOL,HUG,KSC	60	30	30.0	15.000	90.000	C	100J		.005	E	3MA	40	74	9.999
	2N1559	PG 605	3	MOT,ETC,SOL,HUG,KSC	80	40	12.0	15.000	90.000	C	100J		.005	E	3MA	55	70	9.900
	2N1559A	PG 605	3	MOT,SOL,HUG,KSC	80	40	40.0	15.000	90.000	C	100J		.005	E	3MA	55	74	9.999
	2N1560	PG 605	3	MOT,ETC,SOL,HUG,KSC	100	50	12.0	15.000	90.000	C	100J		.005	E	3MA	65	70	9.900
	2N1560A	PG 605	3	MOT,SOL,HUG,KSC	100	50	50.0	15.000	90.000	C	100J		.005	E	3MA	65	74	9.999
	2N1561	PG 171 D		MOT	25	25	3.0	.250	.250	A	100J		500.000	G	10UA	10	3	.050
	2N1562	PG 171 D		MOT	25	25	2.0	.250	.250	A	100J		450.000	G	10UA	10	3	.050
	2N1564	NS 211	5	AMC,CSF,TRW,ETC,NSC,TEC	60	60	5.0	.500	.600	A	175J		30.000	G	1UA	40	36	.005
	2N1565	NS 211	5	AMC,CSF,TRW,ETC,NSC,TEC	80	60	5.0	.500	.600	A	175J		30.000	G	1UA	40	55	.005
	2N1566	NS 211	5	AMC,TRW,ETC,NSC,TEC	80	60	5.0	.500	.600	A	175J		60.000	G	1UA	40	120	.005
	2N1566A	NS 211	5	ETC	80	60	8.0	.100	.600	A	175J		100.000	G	500NA	40	12	
	2N1572	NS 211	5	AMC,CSF,ETC,TEC	125	80	5.0		.600	A	175J		30.000	G	1UA	40	28	.005
	2N1573	NS 211	5	AMC,CSF,ETC,TEC	125	80	5.0		.600	A	175J		60.000	G	1UA	40	55	.005
	2N1574	NS 211	5	AMC,CSF,ETC,TEC	125	80	5.0		.600	A	175J		60.000	G	1UA	40	140	.005
	2N1586	NS 210	5	ETC,TII,TEC,HUG	15		1.0	.025	.125	A	100J		4.000	B	1UA	15	16	.001
	2N1587	NS 210	5	ETC,TII,TEC,HUG	30		1.0	.025	.125	A	100J		4.000	B	1UA	30	16	.001
	2N1588	NS 210	5	ETC,TII,TEC,HUG	60		1.0	.025	.125	A	100J		4.000	B	1UA	60	16	.001
	2N1589	NS 210	5	ETC,TII,TEC,HUG	15		1.0	.025	.125	A	100J		5.000	B	1UA	15	39	.001
	2N1590	NS 210	5	ETC,TII,TEC,HUG	30		1.0	.025	.125	A	100J		5.000	B	1UA	30	39	.001
	2N1591	NS 210	5	ETC,TII,TEC,HUG	60		1.0	.025	.125	A	100J		5.000	B	1UA	60	39	.001
	2N1592	NS 210	5	ETC,TII,TEC,HUG	15		1.0	.025	.125	A	100J		6.000	B	1UA	15	129	.001
	2N1593	NS 210	5	ETC,TII,TEC,HUG	30		1.0	.025	.125	A	100J		6.000	B	1UA	30	129	.001
	2N1594	NS 210	5	ETC,TII,TEC,HUG	60		1.0	.025	.125	A	100J		6.000	B	1UA	60	129	.001
	2N1605	NG 212	5	RCA,TAD,ETC,TII	25	24	12.0	.200	.150	A	100J		4.000	B	5UA	12	70	
	2N1605A	NG 212	5	RCA,TAD,ETC	40		12.0	.200	.200	A	100J		4.000	B	10UA	40	70	
-	2N1609	PG 631	37	DEL	80	60	40.0	1.500	7.500	C	100J		.017	E	100UA	80	50	
-	2N1610	PG 631	37	DEL	80	60	40.0	1.500	7.500	C	100J		.015	E	100UA	80	90	
-	2N1611	PG 631	37	DEL	60	40	20.0	1.500	7.500	C	100J		.017	E	100UA	60	50	
-	2N1612	PG 631	37	DEL	60	40	20.0	1.500	7.500	C	100J		.015	E	100UA	60	90	
	2N1613	NS 211	5	AMC,RCA,RAY,TII,MOT,TRW	75	50R	7.0	1.000	.800	A	200J		60.000	G	10NA	60	70	.150
	2N1613A	NS 211	5	RAY	75	50R	7.0		1.000	A	200J		60.000	G	10NA	60	70	.150
	2N1613B	NS 211	5	RAY	125	50R	7.0		1.000	A	200J		60.000	G	10NA	60	70	.150
	2N1614	PG 210	5	ETC,RCA	65	40R	12.0	.300	.240	A	85J		1.500	B	25UA	65	30	
-	2N1614+	PG 57 B		GEC	65	40R	12.0	.300	.240	A	100J		.500	B	25UA	25	26	
	2N1615	NS 211	5	ETC,TEC,HUG	100	100	8.0	.200	.600	A	175J		2.000	G	2UA	60	38	.005
	2N1616	NS 561	61	AMF,TEC,SES,ETC,HUG,STC	60	60	8.0	5.000	60.000	C	150J		3.000	G	10MA	60	40	2.000
	2N1616A	NS 561	61	SEN,HUG,STC	60	60	10.0	7.500	85.000	C	200J		3.000	G	1MA	80	35	2.000
	2N1617	NS 561	61	AMF,TEC,SES,ETC,HUG,STC	80	70	8.0	5.000	60.000	C	150J		3.000	G	10MA	80	40	2.000
	2N1617A	NS 561	61	TEC,HUG,STC,SEN	100	100		7.500	85.000	C	200J		3.000	G	200UA	80	36	2.000
	2N1618	NS 561	61	AMF,TEC,SES,ETC,HUG,STC	100	100	8.0	5.000	60.000	C	175C		3.000	G	10MA	100	36	2.000
	2N1618A	NS 561	61	TEC,HUG,STC,SEN	100	100		7.500	85.000	C	200J		3.000	G	200UA	100	36	2.000
	2N1620	NS 561	61	TEC,ETC,HUG,STC	100	80	8.0	5.000	60.000	C	175J		3.000	G	1MA	100	30	2.000
	2N1623	PS 210	5	HUG,ETC,NSC,SOL,CRY	50	20	20.0	.050	.250	A	160J		.100	B	1UA	30	24	.001
	2N1624	NG 210	5	ETC	45		15.0		.150	A	100J		5.000	B	10UA	25	120	
-	2N1631	PG 55	40	RCA	34		.5	.010	.080	A	71A		45.000	B	16UA	12	80	
	2N1632	PG 120	1	RCA	34		.5	.010	.080	A	71A		45.000	B	16UA	12	80	
-	2N1633	PG 55	40	RCA	134		.5	.010	.080	A	71A		40.000	B	16UA	12	75	
-	2N1634	PG 120	1	RCA	34		.5	.010	.080	A	71A		40.000	B	16UA	12	75	
-	2N1635	PG 55	40	RCA	34		.5	.010	.080	A	71A		45.000	B	16UA	12	75	
-	2N1636	PG 120	1	RCA	34		.5	.010	.080	A	71A		45.000	B	16UA	12	75	
	2N1637	PG 120	1	RCA	34		1.5	.010	.080	A	71A		45.000	B	5UA	12	80	
	2N1638	PG 120	1	RCA	34		.5	.010	.080	A	71A		40.000	B	7UA	12	75	
	2N1639	PG 120	1	RCA	34		.5	.010	.080	A	71A		45.000	B	7UA	12	75	
	2N1640	PS 229	5	CRY	30	20	30.0	.050	.250	A	160J		.400	B	10NA	30	9	.001
	2N1641	PS 229	5	CRY	30	10	30.0	.050	.250	A	160J		.800	B	10NA	30	15	.001
	2N1642	PS 229	5	CRY	30	6	30.0	.050	.250	A	160J		1.200	B	100NA	30	22	.001
	2N1643	NS 210	5	SOL,HUG,CRY	25	25	20.0		.400	A			1.000	B	1NA		16	.001
	2N1644	NS 211	5	HUG	60	40R			2.000	C	175J		50.000	G			70	.150
-	2N1646	PG 171 S		SYL	15	12	2.0	.050	.150	A	100J		HS SW		3UA	5	40	
	2N1647	NS 505 A		TEC,ETC,HUG,STC	80	60	6.0		40.000	C	175J		10.000	B	100UA	60	30	.500
	2N1648	NS 505 A		TEC,ETC,HUG,STC	120	80	6.0		40.000	C	175J		10.000	B	100UA	60	30	.500
	2N1649	NS 505 A		TEC,ETC,HUG,STC	80	60	6.0		40.000	C	175J		10.000	B	100UA	60	52	.500
	2N1650	NS 505 A		TEC,ETC,HUG,STC	120	80	6.0		40.000	C	175J		10.000	B	100UA	60	52	.500
	2N1651	PG 607	41	SOL,ETC,MOT,HUG	60	30	1.5	25.000	100.000	C	110J		.010	E	300UA	2	40	9.999
	2N1652	PG 607	41	SOL,ETC,MOT	100	60	1.5	25.000	100.000	C	110J		.010	E	300UA	2	40	9.999
	2N1653	PG 607	41	SOL,ETC,MOT	120	80	1.5	25.000	100.000	C	110J		.010	E	300UA	2	40	9.999
	2N1654	NS 210	5	SOL,HUG,CRY	100	80	100.0	.050	.250	A	160J		.100	B	1UA	80	31	.001
	2N1655	NS 210	5	SOL,HUG,CRY	125	100	125.0	.050	.250	A	160J		.100	B	1UA	100	15	.001
	2N1656	NS 210	5	SOL,HUG,CRY	125	100	125.0	.050	.250	A	160J		.100	B	1UA	100	31	.001
-	2N1658	PG 490 A		MHR	80	50	40.0	3.000	15.000	C	100J		.500	G	500UA	80	60	
	2N1658/13	PG 430	13	KSC	80	50S		1.000	15.000	C	100J		.010	E			60	.200
-	2N1659	PG 490 A		MHR	60	40	40.0	3.000	15.000	C	100J		.500	G	500UA	40	60	
	2N1659/13	PG 430	13	KSC	60	40S		1.000	15.000	C	100J		.010	E			60	.200
-	2N1667	PG 605	3	AMP	60	48	20.0	8.000	43.000	A	90J		.125	B	100UA	14	90	
-	2N1668	PG 605	3	AMP	60	48	20.0	8.000	43.000	A	90J		.125	B	100UA	14	50	
-	2N1669	PG 605	3	AMP	80	60	40.0	8.000	43.000	A	90J		.125	B	100UA	14	66	
	2N1672	NG 210	5	ETC	40	25	10.0		.120	A	85J		2.000	B	25UA	40	30	.001
	2N1672A	NG 210	5	ETC	40	25	10.0		.150	A	85J		2.000	B	25UA	40	30	.001
-	2N1673	PG 217	33	SYL	35		.5	.010	.080	A	85J		20.000	G	50UA	40	100	
	2N1674	NS 210	5	TEC,HUG	45	45	2.0	.025	.200	A	200A		20.000	G	500NA	45	75	
	2N1676	PS 210	5	SPR,HUG	4	4	4.5	.050	.100	A	140J		16.000	G	100NA	4	50	
	2N1677	PS 210	5	SPR,HUG	4	4	4.5	.050	.100	A	140J		16.000	G	100NA	4	50	
-	2N1678	PG 170	9	GTC	60	60S	4.0		.125	A	85J		25.000	B	5UA	10	40	
	2N1681	PG 210	5	ETC	30	15	20.0	.200	.180	A	100J		5.000	B	25UA	30	60	.010
	2N1683	PG 210	5	RCA	13	12R	4.0	.100	.150	A	85J		50.000	G	3UA	6	76	
-	2N1684	PG 212	47	SYL	25		12.0	.200	.100	A	100J		4.000	B	5UA	12		
-	2N1685	NG 212	47	SYL	25		15.0	.200	.100	A	100J		8.000	B	10UA	15	100	
	2N1690	NS 461	57	STC,SEN,HUG	80	80			40.000	C	200J		.090	E	250UA	80	35	.500
	2N1691	NS 461	57	STC,SEN,HUG	120	120			40.000	C	200J		.090	E	250UA	120	35	.500
	2N1692	PG 546	102	MOT	25	25	3.0	.250	3.000	C	100J		500.000	G	10UA	10	3	.050
	2N1693	PG 546	102	MOT	25	25	2.0	.250	3.000	C	100J		450.000	G	10UA	10	3	.050
-	2N1694	NG 12 A		GEC	20	20	10.0	.075	.025	A	85J		3.000	B	1UA	15	25	
-	2N1699	NG 212	47	SYL	25	20R	15.0	.100	.200	A	100J		8.000	B	10UA	25	90	
	2N1700	NS 211	5	RCA,ETC,TEC,STC,SEN	60	40	6.0	1.000	5.000	C	200J		1.200	B	75UA	30	50	
	2N1701	NS 171	8	AMF,RCA,ETC,STC,HUG	60	40	6.0	2.500	25.000	C	200J		1.000	B	100UA	30	50	
	2N1702	NS 605	3	RCA,SOL,ETC,STC,HUG	60	40	6.0	5.000	75.000	C	200J		1.000	B	200UA	30	40	
	2N1703	NS 405	36	HUG	60	40	6.0	5.000	75.000	C	200J		.300	B	200UA	30	30	.800
	2N1704	NS 211	5	ETC	45	45	5.0		.500	A	100J		12.500	G	10UA	10	100	.001
	2N1705	PG 212	5	MOT,ETC	18	12R	5.0	.400	.200	A	100J		4.000	B	10UA	10	110	
	2N1706	PG 212	5	MOT,ETC	25	18R	5.0	.400	.200	A	100J		3.000	B	10UA	10	90	.010
	2N1707	PG 212	5	MOT,ETC	30	25R	10.0	.400	.200	A	100J		3.000	B	15UA	25	90	.020
	2N1708	NS 211	46	ITT,MOT,HUG,FSC	25	12R	3.0	2.000	1.000	H	175C		200.000	G	25NA	15	40	.010
	2N1709			SEE RF POWER SECTION														
	2N1710			SEE RF POWER SECTION														
	2N1711	NS 211	5	AMC,RCA,RAY,TII,MOT,TRW	75	50R	7.0	1.000	.800	A	200J		70.000	G	10NA	60	175	
	2N1711A	NS 211	5	RAY,HUG	75	50R	7.0		1.000	A	200J		70.000	G	10NA	60	175	.150
	2N1711B	NS 211	5	RAY	120	50	7.0		1.000	A	200J		70.000	G	10NA	60	175	.150
	2N1714	NS 211	5	TII,SSP,TIL,TEC,HUG,SOL	60	60	6.0	.750	.800	A	175J		16.000	G	2UA	60	40	
	2N1715	NS 211	5	TII,SSP,TEC,HUG,TIL	100	100	6.0	.750	.800	A	175J		16.000	G	2UA	60	40	
	2N1716	NS 211	5	TII,SSP,TIL,TEC,HUG,SOL	60	60	6.0	.750	.800	A	175J		16.000	G	2UA	60	80	
	2N1717	NS 211	5	TII,SSP,TEC,HUG,TIL	100	100	6.0	.750	.800	A	175J		16.000	G	2UA	60	80	
	2N1718	NS 541 D		TII,SSP,TIL,TEC,HUG,SOL	60	60	6.0	.750	10.000	H	175J		16.000	G	2UA	60	40	
	2N1719	NS 541 D		TII,SSP,TEC,HUG,TIL	100	100	6.0	.750	10.000	H	175J		16.000	G	2UA	60	40	
	2N1720	NS 541 D		TII,SSP,TIL,TEC,HUG,SOL	60	60	6.0	.750	10.000	H	175J		16.000	G	2UA	60	80	
	2N1721	NS 541 D		TII,SSP,TEC,HUG,TIL	100	100	6.0	.750	10.000	H	175J		16.000	G	2UA	60	80	
	2N1722	NS 731	53	TII,STC,ETC,TEC,HUG,SEN	120	80	10.0	5.000	50.000	H	175J		10.000	G	1MA	60	56	2.000
	2N1722A	NS 731	53	TII,STC,TEC,HUG	180	120	10.0	5.000	50.000	H	175J		10.000	G	1MA	3	60	2.000
	2N1723	NS 731	53	TII,STC,TEC,HUG	120	80	10.0	5.000	50.000	H	175J		10.000	G	100NA	3	100	2.000
	2N1724	NS 561	61	TII,WHE,STC,SES,ETC,FSC	120	80	10.0	5.000	50.000	H	175J		10.000	G	1MA	60	56	2.000
	2N1724A	NS 561	61	TII,TEC,STC,SES,HUG	180	120	10.0	5.000	50.000	H	175J		10.000	G	100NA	3	60	2.000
	2N1725	NS 561	61	TEC,TII,SOL,STC,SES,MOT	120	80	10.0	5.000	50.000	H	175J		10.000	G	1MA	60	100	2.000
	2N1726	PG 170	9	SPR,ETC,HUG	20	20S	1.0	.050	.060	A	100J		100.000	G	10UA	5	100	
	2N1727	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		100.000	G	10UA	5	40	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.	Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
	2N1728	PG 170	9	SPR,ETC	20	20S	.5	.050	.060	A	100J		100.000	G	10UA	5	80	
	2N1742	PG 170	9	SPR,ETC,MOT,HUG	20	20S	.5	.050	.060	A	107J		980.000	G	10UA	10	32	
	2N1743	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	107J		VHF CON		10UA	10	32	
	2N1744	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		VHF CON		10UA	10	32	
	2N1745	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		200.000	F	10UA	10	32	
	2N1746	PG 170	9	SPR,ETC,HUG	20	20S	1.0	.050	.060	A	100J		100.000	F	10UA	10	60	.001
	2N1747	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		FM IF		10UA	10	60	.001
	2N1748	PG 170	9	SPR,ETC,HUG	25	25S	1.0	.050	.060	A	100J		80.000	G	10UA	12	68	.001
	2N1748A	PG 170	9	SPR,ETC,HUG	25	25S	.5	.050	.060	A	100J		100.000	G	10UA	12	88	.001
	2N1749	PG 170	9	SPR,ETC,HUG	40	40S	1.0	.050	.075	A	100J		80.000	G	10UA	12	68	.001
	2N1751	PG 605	3	SOL,MOT	80	60	2.5	25.000	100.000	C	110J		1.500	B	5MA	80	60	20.000
	2N1752	PG 170	9	SPR,ETC,HUG	12	12S	2.0	.050	.060	A	100J		50.000	G	10UA	10	125	
	2N1754	PG 170	9	SPR,ETC,HUG	13	13S	2.0	.100	.050	A	85J		HS SW		5UA	5	40	.040
	2N1755	PG 640 A		KSC	40	25	30.0	3.000	30.000	C	100J		.015	E	10MA	38	48	.500
	2N1756	PG 640 A		KSC	60	40	30.0	3.000	30.000	C	100J		.015	E	10MA	55	48	.500
	2N1757	PG 640 A		KSC	80	55	30.0	3.000	30.000	C	100J		.015	E	10MA	70	48	.500
	2N1758	PG 640 A		KSC	100	65	30.0	3.000	30.000	C	100J		.015	E	10MA	80	48	.500
	2N1759	PG 640 A		KSC	40	25	30.0	3.000	30.000	C	100J		.015	E	10MA	38	98	.500
	2N1760	PG 640 A		KSC	60	40	30.0	3.000	30.000	C	100J		.015	E	10MA	55	98	.500
	2N1761	PG 640 A		KSC	80	55	30.0	3.000	30.000	C	100J		.015	E	10MA	70	98	.500
	2N1762	PG 640 A		KSC	100	65	30.0	3.000	30.000	C	100J		.015	E	10MA	80	98	.500
	2N1768	NS 461	57	TEC,STC,SEN	60	40	12.0	3.000	40.000	C	200J		1.250	B	15UA	15	68	
	2N1769	NS 461	57	TEC,STC,SEN	100	55	12.0	3.000	40.000	C	200J		1.250	B	15UA	15	68	
-	2N1779	NG 212	54	SYL	25	20R	15.0	.100	.100	A	100J		MS SW		10UA	25	40	
-	2N1780	NG 212	54	SYL	25	20R	15.0	.100	.100	A	100J		4.000	B	10UA	25	70	
-	2N1781	NG 212	54	SYL	25		12.0	.100	.100	A	100J		4.000	B	5UA	12	80	
-	2N1782	PG 212	54	SYL	30	20	20.0	.100	.100	A	100J		5.000	B	6UA	20	90	
-	2N1783	PG 212	54	SYL	30	15	20.0	.100	.100	A	100J		5.000	B	5UA	12	60	
-	2N1784	PG 212	47	SYL	30	20	12.0	.200	.100	A	100J		10.000	B	25UA	30	100	
	2N1785	PG 170	9	SPR,HUG	10	10S	1.0	.050	.045	A	100J		50.000	F	10UA	5	60	.001
	2N1786	PG 170	9	SPR,HUG	10	10S	.5	.050	.045	A	100J		50.000	F	10UA	5	22	.001
	2N1787	PG 170	9	SPR,HUG	15	15S	.5	.050	.045	A	100J		50.000	F	10UA	5	38	.001
	2N1788	PG 170	9	SPR,HUG	35	35S	1.0	.050	.060	A	100J		100.000	F	5UA	12	75	.001
	2N1789	PG 170	9	SPR,HUG	35	35S	.5	.050	.060	A	100J		100.000	F	7UA	12	30	.001
	2N1790	PG 170	9	SPR,HUG	35	35S	.5	.050	.060	A	100J		100.000	F	7UA	12	60	.001
	2N1808	NG 212	5	TII	25	25	20.0	.300	.150	A	100J		4.000	B	5UA	15	120	
	2N1809	NS 508	49	WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J		.500	G	30MA	50	14	10.000
	2N1810	NS 508	49	WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J		.500	G	30MA	100	14	10.000
	2N1811	NS 508	49	WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J		.500	G	30MA	120	14	10.000
	2N1812	NS 508	49	WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J		.500	G	30MA	200	14	10.000
	2N1813	NS 508	49	WHE,SPC,SEN	250	250	15.0	30.000	250.000	C	175J		.500	G	30MA	250	14	10.000
	2N1814	NS 508	49	WHE,SPC,SEN	300	300	15.0	30.000	250.000	C	175J		.500	G	30MA	300	14	10.000
	2N1816	NS 508	49	WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J		.500	G	30MA	50	14	15.000
	2N1817	NS 508	49	WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J		.500	G	30MA	100	14	15.000
	2N1818	NS 508	49	WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J		.500	G	30MA	150	14	15.000
	2N1819	NS 508	49	WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J		.500	G	30MA	200	14	15.000
	2N1820	NS 508	49	WHE,SPC	250	250	15.0	30.000	250.000	H	175J		.500	G	30MA	250	14	15.000
	2N1823	NS 508	49	WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J		.500	G	30MA	50	13	20.000
	2N1824	NS 508	49	WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J		.500	G	30MA	100	13	20.000
	2N1825	NS 508	49	WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J		.500	G	30MA	150	13	20.000
	2N1826	NS 508	49	WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J		.500	G	30MA	200	13	20.000
	2N1830	NS 508	49	WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J		.500	G	30MA	50	14	25.000
	2N1831	NS 508	49	WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J		.500	G	30MA	100	14	25.000
	2N1832	NS 508	49	WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J		.500	G	30MA	150	14	25.000
	2N1833	NS 508	49	WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J		.500	G	30MA	200	14	25.000
	2N1837	NS 211	5	TRW,ETC,HUG	80	30	8.0	.500	.600	A	175J		140.000	G	500NA	30	70	.150
	2N1837A	NS 211	5	TRW,HUG	80	30	8.0	.500	.800	A	175J		140.000	G	500NA	30	70	.150
	2N1838	NS 211	5	TRW,ETC,HUG	45	30R	5.0	.500	.600	A	175J		90.000	G	2UA	30	80	.100
	2N1839	NS 211	5	TRW,HUG	45	30R	4.5		2.800	C			90.000	G	2UA	30	24	.100
	2N1840	NS 211	5	TRW,HUG	25	20R	5.0		2.000	C			90.000	G	300UA	10	20	.150
-	2N1853	PG 210	5	RCA	18	6	2.0	.100	.150	A	85J		LS SW		4UA	15	160	
-	2N1854	PG 210	5	RCA	18	6	2.0	.100	.150	A	85J		40.000	G	4UA	15	180	
	2N1864	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		50.000	F	10UA	5	20	
	2N1865	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		180.000	G	10UA	10	60	
	2N1866	PG 170	9	SPR,ETC,HUG	35	35S	.5	.050	.060	A	100J		180.000	G	10UA	10	60	
	2N1867	PG 170	9	SPR,ETC,HUG	35	35S	.5	.050	.060	A	100J		180.000	G	10UA	10	20	
	2N1868	PG 170	9	SPR,ETC,HUG	20	20S	.5	.050	.060	A	100J		400.000	G	10UA	10	32	
	2N1886	NS 561	59	ETC,TEC,HUG,STC	60	60	6.0	3.000	40.000	C	175J				350UA	60	40	.500
	2N1889	NS 211	5	AMC,TII,TRW,SOL,SES,ETC	100	60	7.0		.800	A	200J		50.000	G	10NA	75	80	.150
	2N1890	NS 211	5	AMC,TII,RAY,TII,TRW,SES	100	60	7.0		.800	A	200J		60.000	G	10NA	75	160	.150
	2N1893	NS 211	5	AMC,RAY,TII,TRW,RCA,SES	120	100R	7.0		.800	A	200J		5.000	G	10NA	90	80	.150
	2N1893A	NS 211	5	TRW,RAY	140	80	7.0	.500	.800	A	200J		100.000	G	10NA	90	90	.150
	2N1899	NS 414	81	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	50	5.000
	2N1900	NS 414	81	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	16	10.000
	2N1901	NS 414	81	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	60	7.000
	2N1902	NS 560	61	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	50	5.000
	2N1903	NS 560	61	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	16	10.000
	2N1904	NS 560	61	TRW,HUG	140	50	5.0	10.000	125.000	C	150J		50.000	G	25MA	140	60	7.000
	2N1905	PG 605	3	RCA	60	40	1.0	10.000	50.000	C	100J		.075	E	500UA	40	100	
	2N1906	PG 605	3	RCA	100	40	1.0	10.000	50.000	C	100J		.075	E	500UA	40	130	
	2N1907	PG 605	3	TII,TIL	100	40	1.5	20.000	60.000	C	100J		10.000	G	10MA	100	100	
	2N1908	PG 605	3	TII,TIL	130	50	1.5	20.000	60.000	C	100J		10.000	G	10MA	130	100	
	2N1917	PS 210	5	SSD,SOL,HUG,CRY	25	8	25.0	.050	.250	A	175J		16.000	G	2NA	4	50	
	2N1918	PS 210	5	SSD,SOL,HUG,CRY	25	8	25.0	.050	.250	A	175J		10.000	G	2NA	4	50	
	2N1919	PS 210	5	SSD,SOL,HUG,CRY	40	18	40.0	.050	.250	A	150A		1.000	B				
	2N1920	PS 210	5	SSD,SOL,HUG,CRY	40	18	40.0	.050	.250	A	150A		1.000	B				
	2N1921	PS 210	5	SSD,NSC,SOL,HUG,CRY	50	50	50.0	.050	.250	A	150A		1.000	B				
	2N1922	PS 210	5	SSD,SOL,HUG,CRY	80	80	80.0	.050	.250	A	150A		1.000	B				
	2N1924	PG 212	5	CSF,GEC,TAD,ETC,MOT,SES	60	40R	25.0	.500	.225	A	85J		1.000	B	10UA	45	50	
	2N1925	PG 212	5	CSF,GEC,TAD,ETC,MOT,SES	60	40R	25.0	.500	.225	A	85J		1.300	B	10UA	45	70	
	2N1926	PG 212	5	CSF,GEC,TAD,ETC,MOT	60	40R	25.0	.500	.225	A	85J		1.500	B	10UA	45	96	
	2N1936	NS 561	63	TEC,SES,HUG,TII	125	60	6.0	20.000	150.000	H	175J		20.000	G	10MA	120	30	
	2N1937	NS 561	63	TEC,SES,HUG,TII	125	80	6.0	20.000	150.000	H	175J		20.000	G	10MA	120	30	
	2N1954	PG 210	5	ETC	60	30	20.0		.200	A	100J				20UA	30	60	.020
	2N1955	PG 210	5	ETC	60	30	20.0		.200	A	100J				20UA	30	100	.020
	2N1956	PG 210	5	ETC	60	45	20.0		.200	A	100J				20UA	30	60	.020
	2N1957	PG 210	5	ETC	60	60	20.0		.200	A	100J				20UA	30	60	.020
	2N1958	NS 211	5	TEC,HUG	60	40R	5.0	.500	.600	A	175J		100.000	G	5UA	30	32	
-	2N1958/18	NS 211	18	SYL	60	40	5.0	.500	.300	A	175J		100.000	G	500NA	30	32	
	2N1958A	NS 211	5	TEC,ETC,HUG	60	40R	5.0	1.000	.600	A	175J		100.000	G	200NA	30	40	.150
-	2N1958A/51	NS 909	51	SYL	60	40R	5.0	1.000	.300	A	175J		100.000	G	200NA	30	40	
	2N1959	NS 211	5	TEC,GIC,MOT,ETC,HUG	60	40R	5.0	.500	.600	A	175J		100.000	G	5UA	30	70	.150
-	2N1959/18	NS 211	18	SYL	60	40	5.0	.500	.300	A	175J		100.000	G	500NA	30	80	
	2N1959A	NS 211	5	TEC,ETC	60	40R	5.0	1.000	.600	A	175J		100.000	G	200NA	30	80	.150
-	2N1959A/51	NS 909	51	SYL	60	40R	5.0	1.000	.300	A	175J		100.000	G	200NA	30	80	
-	2N1960	PG 211	46	SYL	15	15	2.5	1.200	.150	A	100J		HS SW		3UA	5	50	
-	2N1961	PG 211	46	SYL	12	12	5.0	.200	.150	A	100J		HS SW		3UA	5	40	
-	2N1962	NS 211	46	SYL	40	20	5.0	.200	.400	A	175J		200.000	G	250NA	25	40	
-	2N1963	NS 211	46	SYL	30	15	5.0	.200	.400	A	175J		200.000	G	250NA	25	50	
-	2N1964	NS 211	46	SYL	60	40R	5.0	.500	.400	A	175J		100.000	G	500NA	30	32	
-	2N1965	NS 211	46	SYL	60	40R	5.0	.500	.400	A	175J		100.000	G	500NA	30	80	
-	2N1969	PG 210	5	SYL	30	15	20.0	.400	.150	A	100J		10.000	B	25UA	30	120	
	2N1970	PG 405	36	DEL,MOT,ETC,SOL,HUG	100	50	40.0	15.000	140.000	C	110J		.010	E	4MA	100	30	5.000
	2N1971	PG 605	3	DEL,HUG,SOL	80		40.0	4.000	50.000	C	100J		.025	E	2MA	60	42	
	2N1972	NS 211	5	TRW,HUG	60	30R	5.0	.150	.600	A	175J		50.000	G	1UA	30	200	.050
	2N1973	NS 211	5	AMC,TII,TRW,NSC,TEC,HUG	100	60	7.0		.800	A	200J		60.000	G	25NA	75	140	.010
	2N1974	NS 211	5	AMC,TII,TRW,SOL,NSC,TEC	100	60	7.0		.800	A	200J		50.000	G	25NA	75	70	.010
	2N1975	NS 211	5	AMC,TII,TRW,SOL,NSC,TEC	100	60	7.0		.800	A	200J		40.000	G	25NA	75	36	.010
	2N1980	PG 405	36	MOT,ETC,SOL,HUG	50	30	20.0	15.000	170.000	C	110J		.003	E	6MA	50	74	5.000
	2N1981	PG 405	36	MOT,ETC,SOL,HUG	70	40	20.0	15.000	170.000	C	110J		.003	E	6MA	70	74	5.000
	2N1982	PG 405	36	MOT,ETC,SOL,HUG	90	50	20.0	15.000	170.000	C	110J		.003	E	6MA	90	74	5.000
	2N1983	NS 211	5	FSC,TEC,TRW,ETC,MOT,HUG	50	25	5.0	1.000	.600	A	150J		40.000	G	5UA	30	140	
	2N1984	NS 211	5	FSC,TEC,TRW,ETC,MOT,HUG	50	25	5.0	1.000	.600	A	150J		40.000	G	5UA	30	70	
	2N1985	NS 211	5	FSC,TEC,TRW,ETC,HUG	50	25	5.0	1.000	.600	A	150J		40.000	G	5UA	30	30	
	2N1986	NS 211	5	FSC,TEC,GIC,TRW,ETC,HUG	50	25	5.0		.600	A	150J		40.000	G	5UA	30	140	.150
	2N1987	NS 211	5	CSF,FSC,TEC,GIC,TRW,ETC	50	25	5.0		.600	A	150J		40.000	G	5UA	30	50	.150
	2N1988	NS 211	5	FSC,TEC,GIC,TRW,ETC,HUG	100	45	5.0	1.000	.600	A	150J		40.000	G	25UA	50	70	.030
	2N1989	NS 211	5	FSC,TEC,GIC,TRW,ETC,HUG	100	45	5.0	1.000	.600	A	150J		40.000	G	5UA	50	40	.030
	2N1990	NS 211	5	FSC,RAY,GIC,TRW,AMP,SES	100	45	5.0	1.000	.600	A	150J				10UA	75	40	.030

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
-	2N1990/46	NS 211	46	SYL	100		3.0		.400	A	150J					
	2N1991	PS 211	5	HUG,MOT,SES,TEC,FSC,ITT	30	20	5.0		.600	A	150J	40.000 G	5UA	10	38	.150
	2N1993	NG 210	5	TII	30	18	30.0	.300	.300	A	100J	3.000 B	10UA	30	150	
	2N1994	NG 212	5	TII	30	30	30.0	.300	.150	A	85J	3.000 B	6UA	20	26	
	2N1995	NG 212	5	TII	25	25	25.0	.300	.150	A	85J	5.000 B	6UA	20	36	
	2N1996	NG 212	5	TII	20	20	20.0	.300	.150	A	85J	8.000 B	6UA	20	50	
	2N1997	PG 210	5	TII	45	40	45.0	.500	.250	A	100J	3.000 B	6UA	15	120	
	2N1998	PG 210	5	TII	35	35	30.0	.500	.250	A	100J	5.000 B	6UA	15	150	
	2N1999	PG 210	5	TII	30	20	20.0	.500	.250	A	100J	8.000 B	6UA	15	220	
	2N2000	PG 210	5	TII,ETC	50	20	20.0	1.000	.300	A	100J	2.000 B	10UA	30	150	.100
	2N2001	PG 210	5	TII,ETC	30	20	20.0	1.000	.300	A	100J	6.000 B	6UA	15	200	.100
	2N2002	PS 210	5	SOL,HUG,CRY	30	5	30.0	.100	.250	A	175J		10NA	5		
	2N2003	PS 210	5	SOL,HUG,CRY	30	5	30.0	.100	.250	A	175J		30NA	5		
	2N2004	PS 210	5	SOL,HUG,CRY	50	15	50.0	.100	.250	A	175J		2NA	15		
	2N2005	PS 210	5	SOL,HUG,CRY	50	15	50.0	.100	.250	A	175J		50NA	10		
	2N2006	PS 210	5	SOL,HUG,CRY	60	35	60.0	.100	.250	A	175J		20NA	30		
	2N2007	PS 210	5	SOL,HUG,CRY	60	35	60.0	.100	.250	A	175J		50NA	30		
-	2N2008	NS 211	5	FSC,HUG	175	110	8.0	.500	.800	A	200J	40.000 G	50NA	100	80	
	2N2015	NS 405	36	RCA	100	50	10.0	10.000	150.000	C	200J	.012 E	2MA	100	26	
	2N2016	NS 405	36	RCA	130	65	10.0	10.000	150.000	C	200J	.012 E	2MA	130	26	
	2N2017	NS 211	5	NSC,TEC,HUG	60	60	8.0		1.000	A	200J	AUD	10UA	30	100	
	2N2018	NS 510 A		TEC,HUG	150	150X	6.0	2.000	40.000	C	175A	2.000 G	100UA	100	35	.500
	2N2019	NS 510 A		TEC,HUG	200	200X	6.0	2.000	40.000	C	175A	2.000 G	100UA	100	35	.500
	2N2020	NS 510 A		TEC,HUG	150	125	6.0	2.000	40.000	C	175A	2.000 G	100UA	100	62	.500
	2N2021	NS 510 A		TEC,HUG	200	140	6.0	2.000	40.000	C	175A	2.000 G	100UA	100	62	.500
	2N2032	NS 730	53	TEC,HUG,STC,SEN	45	45		5.000	85.000	C	200J	.020 E	20MA	45	40	2.000
	2N2033	NS 211	5	SOL,HUG,SEN,STC	80	60	10.0	3.000	5.000	C	200C	1.000 G	150UA	80	35	.500
	2N2034	NS 211	5	SOL,HUG,STC,SEN	80	60	10.0	3.000	5.000	C	200C	1.000 G	150UA	80	35	.100
	2N2035	NS 171	8	AMF,ETC,HUG,STC,SEN	80	60	10.0	3.000	25.000	C	200J	.020 E	120UA	80	40	
	2N2036	NS 631	37	STC	80	60	10.0	3.000	17.500	C	200J	LS SW	150UA	80	40	
	2N2038	NS 211	5	TEC,HUG	45	45	4.0	.500	.600	H	200A	2.000 G	100UA	45	21	.200
	2N2039	NS 211	5	TEC,HUG	75	75	4.0	.500	.600	H	200A	2.000 G	100UA	75	21	.200
	2N2040	NS 211	5	TEC,HUG	45	45	4.0	.500	.600	H	200A	2.000 G	100UA	45	52	.200
	2N2041	NS 211	5	TEC,HUG	75	75	4.0	.500	.600	H	200A	2.000 G	100UA	75	52	.200
	2N2042	PG 210	5	MOT	105	105S	75.0	.200	.200	A	100J	.500 B	25UA	105	40	.001
	2N2042A	PG 210	5	MOT	105	105S	75.0	.200	.200	A	100J	.500 B	25UA	105	40	.001
	2N2043	PG 210	5	MOT	105	105S	75.0	.200	.200	A	100J	.750 B	25UA	105	90	.001
	2N2043A	PG 210	5	MOT	105	105S	75.0	.200	.200	A	100J	.750 B	25UA	105	90	.001
	2N2048	PG 170	9	SPR,ETC,HUG	20	15	2.0	.100	.150	A	100J	150.000 G	5UA	5	160	
	2N2049	NS 211	5	SES,RAY,HUG,FSC	75	50R	7.0		.800	A	200J	60.000 G	10NA	60	160	.150
	2N2061	PG 605	3	ETC	20	15S	10.0	3.000	75.000	C	100J		10MA	20	15	2.000
	2N2061A	PG 605	3	ETC	20	15	10.0	5.000	90.000	C	100J	.005 E	2MA	20	35	2.000
	2N2062	PG 605	3	ETC	20	15S	10.0	3.000	75.000	C	100J		10MA	20	30	2.000
	2N2062A	PG 605	3	ETC	20	15	10.0	5.000	90.000	C	100J	.001 E	2MA	20	85	2.000
	2N2063	PG 605	3	ETC	40	30S	20.0	3.000	75.000	C	100J		20MA	40	15	2.000
	2N2063A	PG 605	3	ETC	40	20	20.0	5.000	90.000	C	100J	.005 E	2MA	40	35	2.000
	2N2064	PG 605	3	ETC	40	30S	20.0	3.000	75.000	C	100J		20MA	40	30	2.000
	2N2064A	PG 605	3	ETC	40	20	20.0	5.000	90.000	C	100J	.001 E	2MA	40	85	2.000
	2N2065	PG 605	3	ETC	80	60S	30.0	3.000	75.000	C	100J		20MA	80	15	2.000
	2N2065A	PG 605	3	ETC	80	40	30.0	5.000	90.000	C	100J	.005 E	5MA	80	35	2.000
	2N2066	PG 605	3	ETC	80	60S	30.0	3.000	75.000	C	100J		20MA	80	30	2.000
	2N2066A	PG 605	3	ETC	80	40	30.0	5.000	90.000	C	100J	.001 E	5MA	80	85	2.000
	2N2067	PG 640 A		KSC	40	25	20.0	3.000	10.000	H	95S	.007 E	3MA	40	45	.500
	2N2068	PG 640 A		KSC	80	55	20.0	3.000	10.000	H	95S	.007 E	3MA	80	45	.500
	2N2075	PG 405	36	MOT,ETC,DEL,SOL,HUG	80	65	40.0	15.000	170.000	C	110J	.005 E	15MA	80	50	1.200
	2N2075A	PG 405	36	MOT	80	65	40.0	15.000	170.000	C	110J	.005 E	15MA	80	50	1.200
	2N2076	PG 405	36	MOT,ETC,DEL,SOL,HUG	70	55	35.0	15.000	170.000	C	110J	.005 E	15MA	70	50	1.200
	2N2076A	PG 405	36	MOT	70	55	35.0	15.000	170.000	C	110J	.005 E	15MA	70	50	1.200
	2N2077	PG 405	36	MOT,ETC,DEL,SOL,HUG	50	45	25.0	15.000	170.000	C	110K	.005 E	15MA	50	50	1.200
	2N2077A	PG 405	36	MOT	50	45	25.0	15.000	170.000	C	110J	.005 E	15MA	50	50	1.200
	2N2078	PG 405	36	MOT,ETC,DEL,SOL,HUG	40	25	20.0	15.000	170.000	C	110J	.005 E	15MA	40	50	1.200
	2N2078A	PG 405	36	MOT	40	25	20.0	15.000	170.000	C	110J	.005 E	15MA	40	50	1.200
	2N2079	PG 405	36	MOT,ETC,DEL,SOL,HUG	80	65	40.0	15.000	170.000	C	110J	.005 E	15MA	80	80	1.200
	2N2079A	PG 405	36	MOT	80	65	40.0	15.000	170.000	C	110J	.005 E	15MA	80	80	1.200
	2N2080	PG 405	36	MOT,ETC,DEL,SOL,HUG	70	55	35.0	15.000	170.000	C	110J	.005 E	15MA	70	80	1.200
	2N2080A	PG 405	36	MOT	70	55	35.0	15.000	170.000	C	110J	.005 E	15MA	70	80	1.200
	2N2081	PG 405	36	MOT,ETC,DEL,SOL,HUG	50	45	25.0	15.000	170.000	C	110J	.005 E	15MA	50	80	1.200
	2N2081A	PG 405	36	MOT	50	45	25.0	15.000	170.000	C	110J	.005 E	15MA	50	80	1.200
	2N2082	PG 405	36	MOT,ETC,DEL,SOL,HUG	40	25	20.0	15.000	170.000	C	110J	.005 E	15MA	40	80	1.200
	2N2082A	PG 405	36	MOT	40	25	20.0	15.000	170.000	C	110J	.005 E	15MA	40	80	1.200
	2N2084	PG 217	33	AMP	40	40	1.0	.010	.125	A	90J	100.000 B	8UA	6	140	
	2N2086	NS 211	5	ETC	120	80R	5.0	.500	.600	A	175J	150.000 G	2UA	60	30	.150
	2N2089	PG 75	7	AMP	20	20R	1.0	.010	.083	A	75J	44.000 G	8UA	6	150	
-	2N2090	PG 75	7	AMP	20	20	1.0	.010	.083	A	75J	44.000 G	8UA	6	150	
-	2N2091	PG 75	7	AMP	20	20	1.0	.010	.083	A	75J	44.000 G	8UA	6	150	
	2N2092	PG 75	7	AMP	25	25R	1.0	.010	.100	A	85J	30.000 G	8UA	6	150	
-	2N2093	PG 75	7	AMP	25	25R	2.0	.010	.100	A	85J	30.000 G	8UA	6	150	
	2N2095	SEE RF POWER SECTION														
	2N2096	PG 211 P		MOT	25	25	4.0	.500	.500	A	100J	HS SW	12UA	12	50	.200
	2N2097	PG 211 P		MOT	40	20	4.0	.500	.500	A	100J	150.000 G	12UA	15	50	.400
	2N2098	SEE RF POWER SECTION														
	2N2099	PG 210	5	MOT	25	12	4.0	.500	.300	A	100J	HS SW	12UA	12	35	.400
	2N2100	PG 210	5	MOT	40	20	4.0	.500	.300	A	100J	HS SW	12UA	15	50	.400
	2N2101	NS 561	61	SOL,AMF,ETC	60	40	10.0	3.000	75.000	C	200J	.020 E	30UA	1	30	1.000
	2N2102	NS 211	5	RCA,RAY,TII,TRW,TEC,HUG	120	65	7.0	1.000	1.000	A	200J	60.000 G	2NA	60	70	.150
	2N2102A	NS 211	5	RAY,TII,HUG	120	65	7.0		1.000	A	200J	60.000 G	2NA	60	70	.150
	2N2106	NS 211	5	GEC,TEC,HUG	60	60	8.0		1.000	A	150J	15.000 B	200UA	30	30	
	2N2107	NS 211	5	GEC,TEC,HUG	60	60	8.0		1.000	A	150J	15.000 B	200UA	30	50	
	2N2108	NS 211	5	GEC,TEC,HUG	60	60	8.0		1.000	A	150J	15.000 B	200UA	30	80	
	2N2109	NS 502 A		WHE,SPC,HUG,SEN	50	50	15.0	30.000	250.000	C	175J	.500 G	30MA	50	14	10.000
	2N2110	NS 502 A		WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J	.500 G	30MA	100	14	10.000
	2N2111	NS 502 A		WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J	.500 G	30MA	150	14	10.000
	2N2112	NS 502 A		WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J	.500 G	30MA	200	14	10.000
	2N2113	NS 502 A		WHE,SPC,SEN	250	250	15.0	30.000	250.000	C	175J	.500 G	30MA	250	14	10.000
	2N2114	NS 502 A		WHE,SPC,SEN	300	300	15.0	30.000	250.000	C	175J	.500 G	30MA	300	14	10.000
	2N2116	NS 502 A		WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J	.500 G	30MA	50	14	15.000
	2N2117	NS 502 A		WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J	.500 G	30MA	100	14	15.000
	2N2118	NS 502 A		WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J	.500 G	30MA	150	14	15.000
	2N2119	NS 502 A		WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J	.500 G	30MA	200	14	15.000
	2N2120	NS 502 A		WHE,SPC		250	15.0	30.000	250.000	H	175J	.500 G	30MA	250	14	15.000
	2N2123	NS 502 A		WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J	.500 G	30MA	50	13	20.000
	2N2124	NS 502 A		WHE,SPC,SEN	100	100	15.5	30.000	250.000	C	175J	.500 G	30MA	100	13	20.000
	2N2125	NS 502 A		WHE,SPC,SEN	150	150	15.5	30.000	250.000	C	175J	.500 G	30MA	150	13	20.000
	2N2126	NS 502 A		WHE,SPC,SEN	200	200	15.5	30.000	250.000	C	175J	.500 G	30MA	200	13	20.000
	2N2130	NS 502 A		WHE,SPC,SEN	50	50	15.0	30.000	250.000	C	175J	.500 G	30MA	50	14	25.000
	2N2131	NS 502 A		WHE,SPC,SEN	100	100	15.0	30.000	250.000	C	175J	.500 G	30MA	100	14	25.000
	2N2132	NS 502 A		WHE,SPC,SEN	150	150	15.0	30.000	250.000	C	175J	.500 G	30MA	150	14	25.000
	2N2133	NS 502 A		WHE,SPC,SEN	200	200	15.0	30.000	250.000	C	175J	.500 G	30MA	200	14	25.000
	2N2137	PG 605	3	MOT,ETC	30	20	15.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2137A	PG 605	3	MOT,ETC	30	20	15.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2138	PG 605	3	MOT,ETC,HUG,SOL	45	30	25.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2138A	PG 605	3	MOT,ETC,SOL	45	30	25.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2139	PG 605	3	MOT,ETC,HUG,SOL	60	45	30.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2139A	PG 605	3	MOT,ETC,SOL	60	45	30.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2140	PG 605	3	MOT,ETC,HUG,SOL	75	60	40.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2140A	PG 605	3	MOT,ETC,SOL	75	60	40.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2141	PG 605	3	MOT,ETC,HUG,SOL	90	65	45.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2141A	PG 605	3	MOT,ETC,SOL	90	65	45.0		70.000	C	110J	.012 E	50UA	2	45	.500
	2N2142	PG 605	3	MOT,ETC,HUG,SOL	30	20	15.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2142A	PG 605	3	MOT,ETC,SOL	30	20	15.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2143	PG 605	3	MOT,ETC,HUG,SOL	45	30	25.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2143A	PG 605	3	MOT,ETC,SOL	45	30	25.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2144	PG 605	3	MOT,ETC,HUG,SOL	60	45	30.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2144A	PG 605	3	MOT,ETC,SOL	60	45	30.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2145	PG 605	3	MOT,ETC,HUG,SOL	75	60	40.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2145A	PG 605	3	MOT,ETC,SOL	75	60	40.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2146	PG 605	3	MOT,ETC,HUG,SOL	90	65	45.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2146A	PG 605	3	MOT,ETC,SOL	90	65	45.0		70.000	C	110J	.012 E	50UA	2	70	.500
	2N2147	PG 605	3	RCA,ETC	75	50	1.5	5.000	12.500	A	100J	4.000 G	1MA	40	150	1.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N2148	PG 605	3	RCA,ETC	60	40	1.5	5.000	12.500	A	100J	3.000	G	1MA	40	100	1.000
	2N2150	NS 581	111	TII,TEC,HUG,TIL	125	80R	8.0	2.000	30.000	H	175J	10.000	G	10UA	120	40	.500
	2N2151	NS 581	111	TII,TEC,HUG,TIL	125	80R	8.0	2.000	30.000	H	175J	10.000	G	10UA	120	80	
	2N2152	PG 405	36	MOT,ETC,SOL	45	30	25.0	30.000	170.000	C	110J	.002	E	4MA	45	76	5.000
	2N2152A	PG 405	36	MOT,ETC	45	30	25.0	30.000	170.000	C	110J	.002	E	4MA	45	76	5.000
	2N2153	PG 405	36	MOT,ETC,SOL	60	45	30.0	30.000	170.000	C	110J	.002	E	4MA	60	76	5.000
	2N2153A	PG 405	36	MOT,ETC	60	45	30.0	30.000	170.000	C	110J	.002	E	4MA	60	76	5.000
	2N2154	PG 405	36	MOT,ETC,SOL	75	60	40.0	30.000	170.000	C	110J	.002	E	4MA	75	76	5.000
	2N2154A	PG 405	36	MOT,ETC	75	60	40.0	30.000	170.000	C	110J	.002	E	4MA	75	76	5.000
	2N2155	PG 405	36	ETC,MOT	90	75	45.0	30.000	170.000	C	110J	.002	E	4MA	90	75	5.000
	2N2155A	PG 405	36	ETC	90	75	45.0	30.000	170.000	C	110J	.002	E	4MA	90	75	5.000
	2N2156	PG 405	36	MOT,ETC,SOL	45	30	25.0	30.000	170.000	C	110J	.002	E	4MA	45	106	5.000
	2N2156A	PG 405	36	MOT,ETC	45	30	25.0	30.000	170.000	C	110J	.002	E	4MA	45	106	5.000
	2N2157	PG 405	36	MOT,ETC,SOL	60	45	30.0	30.000	170.000	C	110J	.002	E	4MA	60	106	5.000
	2N2157A	PG 405	36	MOT,ETC	60	45	30.0	30.000	170.000	C	110J	.002	E	4MA	60	106	5.000
	2N2158	PG 405	36	MOT,ETC,SOL,HUG	75	60	40.0	30.000	170.000	C	110J	.002	E	4MA	75	106	5.000
	2N2158A	PG 405	36	MOT,ETC	75	60	40.0	30.000	170.000	C	110J	.002	E	4MA	75	106	5.000
	2N2159	PG 405	36	ETC,MOT	90	75	45.0	30.000	170.000	C	110J	.002	E	4MA	90	106	5.000
	2N2159A	PG 405	36	ETC	90	75	45.0	30.000	170.000	C	110J	.002	E	4MA	90	106	5.000
	2N2162	PS 210	5	SPR,HUG,CRY	30	30	30.0	.050	.150	A	140A	14.000	G	10NA	10	36	
	2N2163	PS 210	5	SPR,HUG,CRY	15	15	15.0	.050	.150	A	140A	14.000	G	10NA	4	36	
	2N2164	PS 210	5	SPR,HUG,CRY	12	8	12.0	.050	.150	A	140A	24.000	G	20NA	4	40	
	2N2165	PS 210	5	SPR,HUG,CRY	30	30	30.0	.050	.150	A	140A	10.000	G	20NA	10		
	2N2166	PS 210	5	SPR,HUG,CRY	15	15	15.0	.050	.150	A	140A	10.000	G	20NA	4		
	2N2167	PS 210	5	SPR,HUG,CRY	12	8	12.0	.050	.150	A	140A	16.000	G	20NA	4		
	2N2168	PG 170	9	SPR,ETC,HUG	20	15	2.0	.100	.060	A	100J	450.000	G	3UA	5	60	.050
	2N2169	PG 170	9	SPR,ETC,HUG	15	15	2.0	.100	.060	A	100J	450.000	G	3UA	5	45	.050
	2N2170	PG 170	9	SPR,ETC,HUG	15	10	2.0	.100	.060	A	100J	350.000	G	5UA	5	30	.050
	2N2171	PG 212	5	MOT,ETC	50	25R	20.0	.500	.225	A	100J	7.500	B	10UA	25	180	.020
	2N2173	PG 211	5	TII	25	15	3.0	.750	.240	A	100J	HSSW		10UA	10	45	.200
	2N2175	PS 210	18	SOL,HUG,CRY	6	6	6.0	.050	.100	A	175J	1.000	G	1NA	4	80	
	2N2176	PS 210	18	SOL,HUG,CRY	6	6	6.0	.050	.100	A	175J	1.000	G	1NA	4	80	
	2N2177	PS 210	5	SOL,HUG,CRY	6	6	6.0	.050	.100	A	175J	.800	B	5NA	4	70	
	2N2178	PS 210	18	SOL,CRY	6	6	6.0	.050	.100	A	175J	.800	B	5NA	4	70	
	2N2185	PS 210	18	SPR,HUG,CRY	30	30	30.0	.050	.150	A	140A	6.500	G	1NA	10		
	2N2186			M.P.2N2185													
	2N2187			M.P.2N2185													
	2N2188	PG 120	58	TII	40	25	2.0		.125	A	85J	60.000	G	3UA	12	100	
	2N2189	PG 120	58	TII	40	25	2.0		.125	A	85J	100.000	G	3UA	12	120	
	2N2190	PG 120	58	TII	60	25	2.0		.125	A	85J	60.000	G	3UA	12	100	
	2N2191	PG 120	58	TII	60	25	2.0		.125	A	85J	100.000	G	3UA	12	120	
	2N2192	NS 211	5	RAY,TII,MOT,GIC,SES,NSC	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	200	.150
	2N2192A	NS 211	5	RAY,TII,MOT,GIC,ITT,SES	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	200	.150
	2N2192B	NS 211	5	RAY,MOT,GIC,ITT,TEC,HUG	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	200	.150
	2N2193	NS 211	390	RAY,ITT,SES,TII,MOT,SES	80	50	8.0	1.000	.800	A	200J	50.000	G	10NA	60	80	.150
	2N2193A	NS 211	390	RAY,TII,MOT,ITT,SES,NSC	80	50	8.0	1.000	.800	A	200J	50.000	G	10NA	60	80	.150
	2N2193B	NS 211	5	RAY,ITT,MOT,TEC,HUG,FSC	80	50	8.0	1.000	.800	A	200J	50.000	G	10NA	60	80	.150
	2N2194	NS 211	5	RAY,TII,MOT,ITT,SES,NSC	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	40	.150
	2N2194A	NS 211	5	RAY,TII,MOT,ITT,SES,NSC	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	40	.150
	2N2194B	NS 211	5	RAY,MOT,ITT,TEC,HUG,FSC	60	40	5.0	1.000	.800	A	200J	50.000	G	10NA	30	40	.150
	2N2195	NS 211	5	RAY,MOT,ITT,SES,NSC,TEC	45	25	5.0	1.000	.800	A	200J	50.000	G	100NA	30	30	.150
	2N2195A	NS 211	5	RAY,MOT,ITT,SES,NSC,TEC	45	25	5.0	1.000	.800	A	200J	50.000	G	100NA	30	30	.150
	2N2195B	NS 211	5	RAY,MOT,ITT,TEC,HUG,FSC	45	25	5.0	1.000	.800	A	200J	50.000	G	100NA	30	30	.150
	2N2196	NS 635 B		GEC,SES,TEC,HUG	80	60	8.0		15.000	C	175J	15.000	B	75UA	80	20	
	2N2197	NS 635 B		GEC,SES,TEC,HUG	80	60	8.0		15.000	C	175J	15.000	B	75UA	80	40	
	2N2199	PG 170	9	ETC	15	10	.5	.100	.075	A	100J	120.000	G	5UA	10	14	.003
	2N2200	PG 170	9	ETC	15	10	.5	.100	.075	A	100J	120.000	G	5UA	10	14	.003
	2N2201	NS 635 B		TEC,HUG	120	100	10.0		15.000	C	175J	20.000	B	50UA	120	60	
	2N2202	NS 670 A		HUG	120	100	10.0		15.000	C	175J	20.000	B	50UA	120	60	
	2N2203	NS 676 A		HUG	120	100	10.0		15.000	C	175J	20.000	B	50UA	120	60	
	2N2204	NS 680 A		HUG	120	100	10.0		15.000	C	175J	20.000	B	50UA	120	60	
	2N2205	NS 211	18	RAY,FSC,ITT	25	12R	3.0	.200	.300	A	175J	200.000	G	25NA	15	40	.010
	2N2206	NS 211	46	FSC	25	12	3.0	.200	.300	A	175J	200.000	G	25NA	15	70	.010
	2N2207	PG 75	7	AMP	50	50R	.5	.030	.200	A	75J	140.000	G			200	
	2N2210	PG 405	36	ETC	100	65	60.0	10.000	75.000	C	100J	.005	E	4MA	100	38	5.000
	2N2212	PG 607	41	SOL,MOT	120	60	1.5	10.000	60.000	C	110J	1.500	B	2MA	100	80	5.000
	2N2217	NS 211	5	FSC,RAY,SPR,TII,SES,ITT	60	30	5.0	.800	.800	A	175J	250.000	G	10NA	50	40	.150
	-2N2217/51	NS 909	51	SYL	60	30	5.0	.800	.300	A	175J	250.000	G	10NA	50	30	
	2N2218	NS 211	5	FSC,RAY,SPR,SES,ITT,MOT	60	30	5.0	.800	.800	A	175J	250.000	G	10NA	50	80	.150
	-2N2218/51	NS 909	51	SYL	60	30	5.0	.800	.300	A	175J	250.000	G	10NA	50	50	
	2N2218A	NS 211	5	RAY,FSC,MOT,TRW,ITT,TII	75	40	6.0	.800	.800	A	175J	250.000	G	10NA	60	70	.150
	2N2219	NS 211	5	FSC,RAY,SPR,SES,ITT,MOT	60	30	5.0	.800	.800	A	175J	250.000	G	10NA	50	200	.150
	-2N2219/51	NS 909	51	SYL	60	30	5.0	.800	.300	A	175J	250.000	G	10NA	50	90	
	2N2219A	NS 211	5	RAY,FSC,MOT,GEC,TRW,ITT	75	40	6.0	.800	.800	A	175J	300.000	G	10NA	60	150	.150
	2N2220	NS 211	18	FSC,RAY,TII,ITT,SES,GEC	60	30	5.0	.800	.500	A	175J	250.000	G	10NA	50	40	.150
	2N2221	NS 211	18	FSC,RAY,TII,ITT,SES,SPR	60	30	5.0	.800	.500	A	175J	250.000	G	10NA	50	80	.150
	2N2221A	NS 211	18	GEC,MOT,FSC,RAY,TRW,ITT	75	40	6.0	.800	.500	A	200J	250.000	G	10NA	60	80	.150
	2N2222	NS 211	18	FSC,RAY,TII,SES,GIC,MOT	60	30	5.0	.800	.500	A	175J	250.000	G	10NA	50	200	.150
	2N2222A	NS 211	18	GEC,MOT,FSC,RAY,TRW,ITT	75	40	6.0	.800	.500	A	200J	300.000	G	10NA	60	200	.150
	2N2224	NS 211	5	MOT	65	40	5.0	.500	.800	A	175J	160.000	G	10UA	50	65	.010
	2N2226	NS 412	82	WHE,SPC,HUG,STC,SEN	50	50	15.0	10.000	150.000	H	150J	.500	G	200UA	50	363	10.000
	2N2227	NS 412	82	WHE,SPC,HUG,STC,SEN	100	100	15.0	10.000	150.000	H	150J	.500	G	200UA	100	360	10.000
	2N2228	NS 412	82	WHE,SPC,HUG,SEN	150	150	15.0	10.000	150.000	H	150J	.500	G	200UA	150	360	10.000
	2N2229	NS 412	82	WHE,SPC,HUG,SEN	200	200	15.0	10.000	150.000	H	150J	.500	G	200UA	200	360	10.000
	2N2230	NS 412	82	WHE,SPC,HUG,STC,SEN	50	50	15.0	10.000	150.000	H	150J	.500	G	200UA	50	500	10.000
	2N2231	NS 412	82	WHE,SPC,HUG,STC,SEN	100	100	15.0	10.000	150.000	H	150J	.500	G	200UA	100	500	10.000
	2N2232	NS 412	82	WHE,SPC,HUG,SEN	150	150	15.0	10.000	150.000	H	150J	.500	G	200UA	150	500	10.000
	2N2233	NS 412	82	WHE,SPC,HUG,SEN	200	200	15.0	10.000	150.000	H	150J	.500	G	200UA	200	500	10.000
	2N2236	NS 211	5	RAY	40	20	6.0	.500	.600	A	200J	50.000	G	200NA	40	30	.100
	2N2237	NS 211	5	RAY	40	20	6.0	.500	.600	A	200J	50.000	G	200NA	40	72	.100
	2N2242	NS 211	18	MOT,ITT	40	15			.360	A		250.000	G	100NA	20	70	.010
	2N2243	NS 211	5	SES,RAY,TII,NSC,TEC,HUG	120	80	7.0	1.000	.800	A	200J	50.000	G	10NA	60	80	.150
	2N2243A	NS 211	5	SES,RAY,TII,NSC,TEC,HUG	120	80	7.0	1.000	.800	A	200J	50.000	G	10NA	60	80	.150
	-2N2244	NS 210	18	NSC	30	20	6.0	.100	.500	A	200J	60.000	G	10NA	30	80	
	-2N2245	NS 210	18	NSC	30	20	6.0	.100	.500	A	200J	60.000	G	10NA	30	160	
	-2N2246	NS 210	18	NSC	30	20	6.0	.100	.500	A	200J	60.000	G	10NA	30	300	
	-2N2247	NS 210	18	NSC	60	45	6.0	.100	.500	A	200J	60.000	G	10NA	60	80	
	-2N2248	NS 210	18	NSC	60	45	6.0	.100	.500	A	200J	60.000	G	10NA	60	160	
	-2N2249	NS 210	390	NSC	60	45	6.3	.100	.500	A	200J	600.000	G	10NA	60		
	-2N2250	NS 210	18	NSC	30	20	6.0		.500	A	200J	60.000	G	10NA	30	80	
	-2N2251	NS 210	18	NSC	30	20	6.0		.500	A	200J	60.000	G	10NA	30	160	
	-2N2252	NS 210	18	NSC	30	20	6.0		.500	A	200J	60.000	G	10NA	30	300	
	-2N2253	NS 210	18	NSC	60	45	6.0		.500	A	200J	60.000	G	10NA	60	80	
	-2N2254	NS 210	18	NSC	60	45	6.0		.500	A	200J	60.000	G	10NA	60	160	
	-2N2255	NS 210	18	NSC	60	45	6.0		.500	A	200J	60.000	G	10NA	60	300	
	2N2256	NS 210	18	MOT	7	7	1.0	.100	.300	A	175J	250.000	G	10UA	6	30	.010
	2N2257	NS 210	18	MOT	7	7	1.0	.100	.300	A	175J	250.000	G	10UA	6	50	.010
	2N2258	PG 210	18	MOT	7	7	1.0	.100	.150	A	100J	250.000	G	10UA	6	30	.010
	2N2259	PG 210	18	MOT	7	7	1.0	.100	.150	A	100J	250.000	G	10UA	6	30	.010
	2N2266	PG 427 A		SOL,HUG,KSC	100	55	28.0	5.000	50.000	C	125J	.200	G	2MA	80	44	2.000
	2N2267	PG 427 A		SOL,HUG,KSC	120	55	28.0	5.000	50.000	C	125J	.200	G	2MA	100	44	2.000
	2N2268	PG 426 A		SOL,HUG	100	55	28.0	5.000	50.000	C	125J	.200	G	2MA	80	44	2.000
	2N2269	PG 426 A		HUG	120	55	28.0	5.000	50.000	C	125J	.200	G	2MA	100	44	2.000
	2N2270	NS 211	390	RCA,ETC,RAY,NSC,TII,TEC	60	45	7.0	1.000	1.000	A	200J	60.000	G	100NA	60	90	.150
	2N2271	PG 210	5	ETC	20	15	10.0	.500	.250	A	100J	.010	E	10UA	10	75	.035
	2N2273	PG 211	18	MOT	25	15	1.0	.100	.100	A	100J	90.000	G	10UA	12	90	.001
	2N2274	PS 210	18	SPR,HUG,CRY	25	25	25.0	.050	.150	A	200J	6.000	G	3NA	10	16	.001
	2N2275			M.P.2N2274													
	2N2276	PS 210	18	SPR,HUG,CRY	15	10	15.0	.050	.150	A	140J	6.000	G	3NA	10	16	.001
	2N2277			M.P.2N2276													
	2N2278	PS 210	18	SPR,HUG,CRY	15	15	15.0	.050	.150	A	140J	7.600	G	1NA	10		
	2N2279			M.P.2N2278													
	2N2280	PS 210	18	SPR,HUG,CRY	10	6	10.0	.050	.150	A	140J	16.000	G	3NA	6		
	2N2281			M.P.2N2280													
	2N2282	PG 631	37	SOL	60	30		3.000	5.000	C	110J	2.500	B	100UA	20	60	
	2N2283	PG 631	37	SOL	100	60		3.000	5.000	C	110J	2.500	B	100UA	40	60	
	2N2284	PG 631	37	SOL	200	100		3.000	5.000	C	110J	2.500	B	150UA	60	60	
	2N2285	PG 605	3	SOL,ETC,MOT	60	30	1.5	25.000	100.000	C	110J	.010	E	5MA	40	40	9.999
	2N2286	PG 605	3	SOL,ETC,MOT	100	60	1.5	25.000	100.000	C	110J	.010	E	5MA	80	40	9.999

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ I_C(A)	
	2N2287	PG 605	3	SOL,ETC,MOT	120	80	1.5	25.000	100.000	C	110J		.010	E	5MA 100	40 9.999
	2N2288	PG 605	3	SOL,ETC,MOT	40	40R	.8	10.000	85.000	C	110J		1.500	B	5MA 40	40 5.000
	2N2289	PG 605	3	SOL,ETC,MOT	80	80	.8	10.000	85.000	C	110J		1.500	B	5MA 80	40 5.000
	2N2290	PG 605	3	SOL,ETC,MOT	120	120	.8	10.000	85.000	C	110J		1.500	B	5MA 120	40 5.000
	2N2291	PG 605	3	SOL,ETC,MOT	40	40R	1.5	10.000	60.000	C	110J		1.500	B	5MA 40	80 5.000
	2N2292	PG 605	3	SOL,ETC,MOT	80	80R	1.5	10.000	60.000	C	110J		1.500	B	5MA 80	80 5.000
	2N2293	PG 605	3	SOL,ETC,MOT	120	120R	1.5	10.000	60.000	C	110J		1.500	B	5MA 120	80 5.000
	2N2294	PG 607	41	SOL,ETC	40	40R		10.000	60.000	C	110J		1.500	B	1MA 25	80 5.000
	2N2295	PG 607	41	SOL,ETC	80	80R		10.000	60.000	C	110J		1.500	B	1MA 60	80 5.000
	2N2296	PG 607	41	SOL,ETC	120	120R		10.000	60.000	C	110J		1.500	B	2MA 100	80 5.000
	2N2297	NS 211	5	FSC,RAY,TEC,ITT,HUG	80	35	7.0		5.000	A	200J		60.000	G	10NA 60	80
-	2N2297/51	NS 910	51	SYL	80	35	7.9		.300	A	200J		60.000	G	10NA 60	80
	2N2303	PS 211	5	HUG,RAY,MOT,TII,SES,GIC	50	35	5.0	.500	.600	A	175J		60.000	G	1UA 30	130 .150
	2N2304	NS 170	8	STC,SEN	60	40		3.000	25.000	C	200J		.020	E	100UA 30	40 .300
	2N2305	NS 605	3	SOL,HUG,STC,RCA	60	40		6.000	75.000	C	200J		.020	E	200UA 30	30 .800
	2N2308	NS 170	8	ETC,STC,SEN	100	80	12.0	3.000	25.000	C	200J		1.000	G	50UA 40	35 1.000
	2N2309	NS 211	5	RAY,HUG	30	30	5.0		.600	A	175J		40.000	G	5NA 4	56 .001
	2N2310	NS 211	46	RAY,TRW,HUG	60	60	8.0		.350	A	175J		50.000	G	25NA 60	24 .200
	2N2311	NS 211	46	RAY,TRW	100	100	8.0		.350	A	175J		50.000	G	25NA 100	24 .200
	2N2312	NS 211	46	RAY,TRW,HUG	60	60	8.0		.350	A	175J		40.000	G	25NA 60	60 .200
	2N2313	NS 211	46	RAY,TRW,HUG	100	100	8.0		.350	A	175J		40.000	G	25NA 100	60 .200
	2N2314	NS 211	46	RAY,TRW,HUG	60	40	5.0		.350	A	175J		40.000	G	25NA 30	40 .150
	2N2315	NS 211	46	RAY,TRW,HUG	60	40	5.0		.350	A	175J		50.000	G	25NA 30	80 .150
	2N2316	NS 211	46	RAY,TRW,HUG	120	80	5.0		.350	A	175J		50.000	G	25NA 60	80 .150
	2N2317	NS 211	46	RAY,TRW,HUG	75	50	5.0		.350	A	175J		60.000	G	10NA 60	80 .150
	2N2318	NS 210	18	GIC	30	15	5.0		.360	A	200J		300.000	G	50NA 20	60 .010
	2N2319	NS 210	46	GIC	30	15	5.0		.300	A	200J		300.000	G	50NA 20	60 .010
	2N2320	NS 210	5	GIC	30	15	5.0		.600	A	200J		300.000	G	50NA 20	60 .001
	2N2330	NS 210	5	MOT,HUG	30	20	5.0		.800	A	175J		150.000	G	1NA 5	100 .010
	2N2331	NS 210	18	MOT,ETC,HUG	30	20	5.0		.500	A	175J		150.000	G	1NA 5	100 .010
	2N2332	PS 210	18	SOL,HUG,CRY	15	5	15.0		.150	A	175J				50NA 15	
	2N2333	PS 210	18	SOL,HUG,CRY	15	5	15.0		.150	A	175J				50NA 15	
	2N2334	PS 210	18	SOL,HUG,CRY	30	15	30.0		.150	A	175J				50NA 30	
	2N2335	PS 210	18	SOL,HUG,CRY	30	15	30.0		.150	A	175J				50NA 30	
	2N2336	PS 210	18	SOL,HUG,CRY	50	35	50.0		.150	A	175J				100NA 50	
	2N2337	PS 210	18	SOL,HUG,CRY	50	35	50.0		.150	A	175J				100NA 50	
	2N2338	NS 405	36	RCA	60	40	6.0	7.500	150.000	C	200J		.015	E	200NA 30	38
	2N2339	NS 461	57	ETC	60	40	6.0	2.500	40.000	C	200J		.700	G	100UA 30	40 .300
	2N2349	NS 210	5	TRW,HUG	40	24	1.5		2.500	C			RF AMP		1UA 12	180 .010
	2N2350	NS 211	46	RAY,TRW,ITT,HUG	60	40	5.0	1.000	.400	A	200J		50.000	G	10NA 30	200 .150
	2N2350A	NS 211	46	RAY,TRW,ITT,HUG	60	40	5.0	1.000	.400	A	200J		50.000	G	10NA 30	200 .150
	2N2351	NS 211	46	RAY,TRW,ITT,HUG,FSC	80	50	8.0	1.000	.400	A	200J		50.000	G	10NA 60	80 .150
	2N2351A	NS 211	46	RAY,TRW,ITT,HUG,FSC	80	50	8.0	1.000	.400	A	200J		50.000	G	10NA 60	80 .150
	2N2352	NS 211	46	RAY,TRW,ITT,HUG	60	40	5.0	1.000	.400	A	200J		50.000	G	10NA 30	40 .150
	2N2352A	NS 211	46	RAY,TRW,ITT,HUG	60	40	5.0	1.000	.400	A	200J		50.000	G	10NA 30	40 .150
	2N2353	NS 211	46	RAY,TRW,ITT,HUG	45	25	5.0	1.000	.350	A	200J		50.000	G	100NA 30	40 .150
	2N2353A	NS 211	46	RAY,TRW,ITT,HUG	45	25	5.0	1.000	.350	A	200J		50.000	G	100NA 30	40 .150
	2N2357	PG 607	41	SOL,MOT	60	30	2.5	50.000	170.000	C	110J		.010	E	5MA 40	60
	2N2358	PG 607	41	SOL,MOT	100	60	2.5	50.000	170.000	C	110J		.010	E	5MA 80	60
	2N2359	PG 607	41	SOL,MOT	120	80	2.5	50.000	170.000	C	110J		.010	E	5MA 100	60
	2N2360	PG 217	12	SPR,HUG	20	20S	.5	.050	.060	A	125J		980.000	F	10UA 10	32
	2N2361	PG 217	12	SPR,HUG	20	20S	.5	.050	.060	A	125J		VHFCON		10UA 10	32
	2N2362	PG 217	12	SPR,HUG	20	20S	.5	.050	.060	A	100J		VHFOSC		10UA 10	32
-	2N2363	PG 217	72	TII	30	20	.5	.050	.075	A	100J		800.000	G	5UA 12	100
	2N2364	NS 211	46	RAY,TRW,HUG	120	80	7.0		.400	A	200J		5.000	G	10NA 60	80 .150
	2N2364A	NS 211	46	RAY,TRW,HUG	120	80	7.0		.400	A	200J		5.000	G	10NA 60	80 .150
	2N2368	NS 211	18	FSC,RAY,TII,SES,ITT,MOT	40	15	4.5	.500	.360	A	200J		400.000	G	400NA 20	40 .010
	2N2369	NS 211	18	FSC,RAY,TII,SES,ITT,MOT	40	15	4.5	.500	.360	A	200J		500.000	G	400NA 20	80 .010
	2N2369A	NS 211	18	FSC,RCA,RAY,ITT,TII,NSC	40	15	4.5	.200	.360	A	200J		500.000	G	400NA 20	80 .100
	2N2370	PS 210	5	HUG,CRY	15	15	15.0	.100	.200	A	200A				5NA 15	15
	2N2371	PS 210	5	HUG,CRY	15	15	15.0	.100	.200	A	200A				5NA 15	20
	2N2372	PS 210	18	HUG,CRY	15	15	15.0	.100	.150	A	200A				5NA 15	15
	2N2373	PS 210	18	HUG,CRY	15	15	15.0	.100	.150	A	200A				5NA 15	20
	2N2374	PG 210	5	ETC	35	35S	35.0	.500	.250	A	100J		15.000	B	7UA 15	175 .100
	2N2375	PG 210	5	ETC	35	35S	35.0	.500	.250	A	100J		9.000	B	7UA 15	65 .100
	2N2376			M.P.2N2375												
	2N2377	PS 210	18	SPR,HUG,CRY	25	25		.050	.150	A	140J		8.000	G	1UA 25	26 .005
	2N2378	PS 210	18	SPR,HUG,CRY	10	10	10.0	.050	.150	A	140J		7.200	G	100NA 10	26
	2N2380	NS 211	5	RAY	80	40	5.0	.500	.600	A	200J		100.000	G	200NA 50	70 .150
	2N2380A	NS 211	5	RAY	80	40	5.0		.600	A	200J		100.000	G	200NA 50	70 .150
	2N2381	PG 210	5	MOT	30	15	4.0	.500	.300	A	100J		300.000	G	25UA 15	30 .400
	2N2382	PG 210	5	MOT	45	20	4.0	.500	.300	A	100J		300.000	G	15UA 15	50 .400
	2N2387	NS 909	50	TII	45	45	5.0	.030	.300	A	175J		30.000	G	10NA 45	60 .001
	2N2388	NS 909	50	TII	45	45	5.0	.030	.300	A	175J		30.000	G	10NA 45	200 .001
	2N2389	NS 909	50	TII	75	50R	7.0	.500	.450	A	200J		60.000	G	10NA 60	60
	2N2390	NS 909	50	TII	75	50R	7.0	.500	.450	A	200J		70.000	G	10NA 60	100
	2N2393	PS 909	50	TII	50	35	5.0	.300	.450	A	175J		50.000	G	1UA 30	30
	2N2394	PS 909	50	TII	50	35	5.0	.300	.450	A	175J		60.000	G	1UA 30	60
	2N2395	NS 909	50	TII	60	40	5.0	.300	.450	A	200J		40.000	G	10NA 30	40
	2N2396	NS 909	50	TII	60	40	5.0	.300	.450	A	200J		50.000	G	10NA 30	80
-	2N2397	NS 910	51	SYL	35	15	5.0	.200	.300	A	200J		200.000	G	100NA 15	75
	2N2398	PG 217	12	SPR,HUG	20	20S	.5	.050	.060	A	100J		990.000	F	101A 10	32
	2N2399	PG 217	12	SPR,HUG	20	20S	.5	.050	.060	A	100J		VHFCON		101A 10	32
	2N2400	PG 210	18	SPR,HUG	12	7	1.0	.100	.150	A	100J		150.000	G	3UA 5	60
	2N2401	PG 210	18	SPR,HUG	15	10	1.5	.100	.150	A	100J		200.000	G	2UA 5	100
	2N2402	PG 210	18	SPR,HUG	18	12	2.0	.100	.150	A	100J		250.000	G	2UA 5	120
	2N2405	NS 211	5	TRW,RCA,RAY,MOT,HUG	120	90	7.0		2.000	C			40.000	G	10NA 90	110 .150
	2N2410	NS 211	5	MOT,SES,RAY,TEC,HUG	60	30	5.0	.800	.800	A	200J		20.000	G	300NA 30	75 .150
-	2N2410/51	NS 909	51	SYL	60	30	5.0	.800	.800	A	200J		200.000	G	300NA 30	70
	2N2411	PS 211	18	TII,TEC,HUG,TIL	25	20	5.0	.100	.300	A	200J		140.000	G	10NA 25	40
	2N2412	PS 211	18	TII,TEC,HUG,TIL	25	20	5.0	.100	.300	A	200J		140.000	G	10NA 25	80
-	2N2413	NS 211	18	TII	40	18	5.0	.200	.300	A	175J		300.000	G	100NA 20	76
	2N2415	PG 217	72	TII,MOT	15	10	.3	.020	.075	A	100J		500.000	G	5UA 10	80
	2N2416	PG 217	72	TII,MOT	15	10	.3	.020	.075	A	100J		400.000	G	5UA 10	50
	2N2423	PG 605	3	SOL	100	60	30.0	5.000	90.000	C	100J		.004	E	5MA 100	46 2.000
	2N2424	PS 210	5	CRY	40	5	20.0	.050	.375	A	160J		.015	E	100NA 30	80 .005
	2N2425	PS 210	5	CRY	50	10	30.0	.050	.375	A	160J		.010	E	100NA 30	48 .005
	2N2427	NS 211	18	TEC,HUG	40	40	4.0	.050	.500	A	200A		50.000	G	500NA 40	35 .001
	2N2428	PG 120	1	AMP	32	12	1.0	.100	.165	A	75J		1.300	G	10UA 10	130
	2N2429	PG 120	1	AMP	32	32S	10.0	.100	.165	A	75J		1.700	G	10UA 10	140
	2N2430	NG 120	1	AMP	32	12	10.0	.300	.135	A	75J		1.500	G	15UA 10	120
	2N2431	PG 120	1	AMP	32	32	10.0	1.000	.165	A	100J		1.000	G	10UA 10	90
	2N2432	NS 211	18	TII,NSC,TEC,HUG,CRY,TIL	30	30	15.0	.100	.300	A	175J		20.000	G	10NA 25	80
	2N2432A	NS 211	18	TII,TEC,HUG,CRY,TIL	45	45	18.0	.100	.300	A	175J		20.000	G	10NA 40	100 .001
	2N2433	NS 211	46	TRW	75	45	7.0		2.000	C			80.000	G	1NA 60	70 .150
	2N2434	NS 211	46	TRW	75	45	7.0		2.000	C			90.000	G	1NA 60	170 .150
	2N2435	NS 211	46	TRW	120	80	7.0		2.000	C			80.000	G	1NA 90	70 .150
	2N2436	NS 211	46	TRW	120	80	7.0		2.000	C			90.000	G	1NA 90	170 .150
	2N2437	NS 211	46	TRW	100	75	7.0		2.000	C			70.000	G	1NA 75	30 .010
	2N2438	NS 211	46	TRW	100	75	7.0		2.000	C			80.000	G	1NA 75	70 .010
	2N2439	NS 211	46	TRW	100	75	7.0		2.000	C			90.000	G	1NA 75	150 .010
	2N2440	NS 211	5	TRW,HUG	120	80	7.0		3.000	C			90.000	G	1NA 90	170 .150
	2N2443	NS 211	5	TRW,HUG,FSC	120	100	7.0		.800	A	200J		5.000	G	10NA 90	90
	2N2444	PG 605	3	SOL	80	80	1.0	10.000	85.000	C	100J		4.500	G	20MA 80	105 3.000
	2N2445	PG 607	41	SOL,HUG	100	50	50.0	15.000	90.000	C	100J		.004	E	200UA 2	46 9.900
-	2N2448	PG 315 A		RAY	45	24	12.0	.100	.075	A	85A		1.000	B	10UA 20	50
-	2N2449	PG 295 A		RAY	35	20	12.0	.100	.075	A	85A		1.200	B	10UA 20	100
-	2N2450	PG 315 A		RAY	35	20	12.0	.100	.075	A	85A		1.200	B	10UA 20	100
	2N2451	PG 116	24	SPR,HUG	6	6S		.050	.025	A	100J		HS SW		5UA 6	50 .010
-	2N2455	PG 211	18	SYL	15	8R	2.5	.200	.150	A	100J		600.000	G	2UA 6	60
-	2N2456	PG 211	18	SYL	15	8	2.5	.200	.150	A	100J		900.000	G	2UA 6	90
	2N2459	NS 210	46	SSD,SOL	100	60	8.0		.400	A	200J		175.000	G	2NA 80	60 .005
	2N2460	NS 210	46	SSD,SOL,HUG	100	60	8.0		.400	A	200J		200.000	G	2NA 80	102 .005
	2N2461	NS 210	46	SSD,SOL,HUG	100	60	8.0		.400	A	200J		225.000	G	2NA 80	150 .005
	2N2462	NS 210	46	SSD,SOL,HUG	100	60	8.0		.400	A	200J		250.000	G	2NA 80	200 .005
	2N2463	NS 210	18	SOL,HUG	100	60	8.0		.400	A	200J		100.000	G	2NA 80	50 .005
	2N2464	NS 210	18	SSD,SOL,HUG	100	60	8.0		.400	A	200J		200.000	G	2NA 80	70
	2N2465	NS 210	18	SSD,SOL,HUG	100	60	8.0		.400	A	200J		225.000	G	2NA 80	150 .005
	2N2466	NS 210	18	SSD,SOL,HUG	100	60	8.0		.400	A	200J		250.000	G	2NA 80	200 .005

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ I_C(A)	
	2N2467	PG 211	5	SOL	60	30		3.000	5.000	C	110J		2.500	B	100UA 20	60	
	2N2468	PG 211	5	SOL	100	60		3.000	5.000	C	110J		2.500	B	100UA 40	60	
	2N2469	PG 211	5	SOL	200	100		3.000	5.000	C	110J		2.500	B	150UA 60	60	
	2N2474	PS 229	5	CRY	30	15	30.0		.050		160J		.500	B	100NA 30	12	.001
	2N2475	NS 211	18	RCA,TEC,FSC,HUG	15	6	4.0			.300	A	200J	600.000	G	50NA 5	70	.020
-	2N2475/46	NS 210	46	SYL	15	6	4.0			.300	A	200J	600.000	G	50NA 5	70	
-	2N2475/51	NS 909	51	SYL	15	6	4.0			.300	A	200J	600.000	G	50NA 5	70	
	2N2476	NS 210	5	RCA,SPR,RAY,MOT,HUG,FSC	60	20	5.0			.600	A	200A	250.000	G	200NA 30	20	.150
	2N2477	NS 210	5	RCA,SPR,RAY,MOT,HUG,FSC	60	20	5.0			.600	A	200A	250.000	G	200NA 30	40	.150
-	2N2478	NS 211	5	PHL	120	60	5.0		.500	.600	A	175J	275.000	B	2UA 60	70	
	2N2479	NS 211	5	RAY	80	40	5.0		.500	.600	A	200J	150.000	G	1NA 50	60	.150
	2N2481	NS 211	18	ITT,RAY,MOT,TII,HUG	40	15	5.0		.500	.360	A	200J	300.000	G	50NA 20	70	.010
-	2N2482	NG 211	18	RCA	20	12	3.0		.100	.150	A	100J	600.000	G	5UA 6	100	
	2N2483	NS 211	18	FSC,RAY,GIC,TII,SES,NSC	60	60	6.0		.050	.360	A	200J	60.000	G	10NA 45	70	.001
	2N2484	NS 211	18	FSC,RAY,GEC,TII,SES,GIC	60	60	6.0		.050	.360	A	200J	60.000	G	10NA 45	175	.001
	2N2484A	NS 211	18	RAY,SOL	60	60	6.0			.360	A	200J	60.000	G	10NA 45	225	.001
	2N2487	PG 210	18	SPR,HUG	15	10			.100	.060	A	100J	360.000	G	3UA	40	.010
	2N2488	PG 210	18	SPR,HUG	15	10			.100	.060	A	100J	360.000	G	3UA	40	.050
	2N2489	PG 210	18	SPR,HUG	20	15			.100	.060	A	100J	300.000	G	3UA	40	.010
	2N2490	PG 405	36	DEL,MOT,SOL	70	50	40.0	15.000	85.000	C	110J		.005	E	200UA 2	30	5.000
	2N2491	PG 405	36	DEL,MOT,ETC,SOL	60	60	30.0	15.000	85.000	C	110J		.005	E	3MA 60	50	5.000
	2N2492	PG 405	36	DEL,MOT,ETC,SOL	80	65	60.0	15.000	85.000	C	110J		.005	E	2MA 80	36	5.000
	2N2493	PG 405	36	DEL,MOT,ETC	100	75	80.0	15.000	85.000	C	110J		.005	E	3MA 100	36	5.000
	2N2495	PG 217	33	AMP	35		.5	.010	.100	A	85J		135.000	G	6UA 12	60	
	2N2496	PG 218	72	AMP	35		.5	.010	.100	A	85J		135.000	G	6UA 12	60	
	2N2501	NS 210	18	GIC,TEC,MOT	40	20	6.0			.360	A	200J	350.000	G	25NA 20	86	.010
	2N2509	NS 211	18	AMC,GIC,ITT,RAY,NSC,TEC	125	80	7.0			.360	A	200J	45.000	G	5NA 100	80	.010
	2N2510	NS 211	18	AMC,GIC,ITT,RAY,NSC,TEC	100	65	7.0			.360	A	200J	45.000	G	5NA 80	300	.010
	2N2511	NS 211	18	AMC,GIC,ITT,RAY,NSC,TEC	80	50	7.0			.360	A	200J	45.000	G	5NA 60	500	.010
-	2N2512	PG 217	33	AMP	70	70S		.050		.260	A	75J	125.000	G	5UA 1	200	.010
	2N2514	NS 211	46	SOL	80	60	6.0	.100		.400	A	200J	30.000	G	5NA 50	28	.005
	2N2515	NS 210	46	SSD,SOL,HUG	80	60	6.0			.400	A	200J	175.000	G	5NA 50	60	.005
	2N2516	NS 210	46	SSD,SOL,HUG	80	60	8.0			.400	A	200J	200.000	G	5NA 50	130	.005
	2N2517	NS 211	46	SOL	125	80	8.0		.050	.400	A	200J	30.000	G	5NA 80	27	.005
	2N2518	NS 210	46	SSD,SOL,HUG	125	80	8.0			.400	A	200J	175.000	G	5NA 80	60	.005
	2N2519	NS 210	46	SSD,SOL,HUG	125	80	8.0			.400	A	200J	200.000	G	5NA 80	120	.005
	2N2520	NS 211	46	SOL,SSD,HUG	60	60	8.0		.100	.400	A	200J	50.000	G	5NA 45	18	.001
	2N2521	NS 210	46	SSD,SOL,HUG	60	60	8.0			.400	A	200J	175.000	G	5NA 45	58	.001
	2N2522	NS 210	46	SSD,SOL,HUG	60	60	8.0			.400	A	200J	200.000	G	5NA 45	160	.001
	2N2523	NS 210	46	SSD,SOL,HUG	60	45	6.0			.400	A	200J	60.000	G	2NA 45	70	.001
	2N2524	NS 210	46	SSD,SOL,HUG	60	45	6.0			.400	A	200J	60.000	G	2NA 45	175	.001
	2N2525	NS 561	61	TRW	100	80	5.0	1.000	19.000	C	J		35.000	G	5UA 28		
	2N2526	PG 605	3	MOT	80	80	5.0	10.000	85.000	C	110J		.010	E	3MA 80	36	3.000
	2N2527	PG 605	3	MOT	120	120	5.0	10.000	85.000	C	110J		.010	E	3MA 120	36	3.000
	2N2528	PG 605	3	MOT	160	160	5.0	10.000	85.000	C	110J		.010	E	3MA 160	36	3.000
-	2N2529	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		6.000	B	50NA 30	14	.010
-	2N2530	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		10.000	B	50NA 30	24	.010
-	2N2531	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		12.000	B	50NA 30	30	.010
-	2N2532	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		16.000	B	50NA 30	60	.001
-	2N2533	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		10.000	B	50NA 30	50	.010
-	2N2534	NS 210	18	TII	45	40	2.0	.025	.150	A	175J		20.000	B	50NA 30	90	.010
	2N2537	NS 211	5	TII,TRW,MOT,TEC,HUG,TIL	60	30	5.0		.800	.800	A	200J	250.000	G	250NA 40	100	.150
	2N2538	NS 211	5	TII,TRW,MOT,TEC,HUG,TIL	60	30	5.0		.800	.800	A	200J	250.000	G	250NA 40	200	.150
	2N2539	NS 211	18	TII,TRW,MOT,TEC,HUG,TIL	60	30	5.0		.800	.500	A	200J	250.000	G	250NA 40	100	.150
	2N2540	NS 211	18	TII,TRW,MOT,TEC,HUG,TIL	60	30	5.0		.800	.500	A	200J	250.000	G	250NA 40	200	.150
	2N2551	NS 210	5	SOL	150	150	150.0			.400	A	200J	.800	B	100NA 100	26	.100
	2N2552	PG 541 B		SOL,TII,MOT,KSC	40	30	20.0	3.000	20.000	C	100J		.225	G	125UA 20	40	1.000
	2N2553	PG 541 B		SOL,TII,MOT,KSC	60	40	20.0	3.000	20.000	C	100J		.225	G	125UA 30	40	1.000
	2N2554	PG 541 B		SOL,TII,MOT,KSC	80	50	20.0	3.000	20.000	C	100J		.225	G	125UA 20	40	1.000
	2N2555	PG 541 B		SOL,TII,MOT,KSC	100	60	20.0	3.000	20.000	C	100J		.225	G	125UA 50	40	1.000
	2N2556	PG 541 A		SOL,TII,MOT,KSC	40	30	20.0	3.000	20.000	C	100J		.225	G	125UA 20	40	1.000
	2N2557	PG 541 A		SOL,TII,MOT,KSC	60	40	20.0	3.000	20.000	C	100J		.225	G	125UA 30	40	1.000
	2N2558	PG 541 A		SOL,TII,MOT,KSC	80	50	20.0	3.000	20.000	C	100J		.225	G	125UA 40	40	1.000
	2N2559	PG 541 A		SOL,TII,MOT,KSC	100	60	20.0	3.000	20.000	C	100J		.225	G	125UA 50	40	1.000
	2N2560	PG 541 B		SOL,TII,MOT,KSC	40	30	20.0	3.500	20.000	C	100J		.225	G	125UA 20	40	3.000
	2N2561	PG 541 B		SOL,TII,MOT,KSC	60	40	20.0	3.500	20.000	C	100J		.225	G	125UA 30	40	3.000
	2N2562	PG 541 B		SOL,TII,MOT,KSC	80	50	20.0	3.500	20.000	C	100J		.225	G	125UA 40	40	3.000
	2N2563	PG 541 B		SOL,TII,MOT,KSC	100	60	20.0	3.500	20.000	C	100J		.225	G	125UA 50	40	3.000
	2N2564	PG 211	5	SOL,TII,MOT,KSC	40	30	20.0	3.500	20.000	C	100J		.250	G	125UA 20	40	3.000
	2N2565	PG 211	5	SOL,TII,MOT,KSC	60	40	20.0	3.500	20.000	C	100J		.250	G	125UA 30	40	3.000
	2N2566	PG 211	5	SOL,TII,MOT,KSC	80	50	20.0	3.500	20.000	C	100J		.250	G	125UA 40	40	3.000
	2N2567	PG 211	5	SOL,TII,MOT,KSC	100	60	20.0	3.500	20.000	C	100J		.250	G	125UA 50	40	3.000
	2N2569	NS 210	18	AMP	20	15	5.0	.100	.300	A	175J		100.000	G	10NA 15	100	
	2N2570	NS 210	18	AMP	20	15	5.0	.100	.300	A	175J		100.000	G	10NA 15	100	
	2N2580	NS 405	36	DEL	400	400	5.0	10.000	150.000	H	150J		2.000	G	250UA 400	10	10.000
	2N2580M	NS 405	36	DEL	400	400	5.0	10.000	150.000	H			2.500	G	5MA 400	20	5.000
	2N2581	NS 405	36	DEL	400	400	5.0	10.000	150.000	H	150J		2.000	G	250UA 400	16	10.000
	2N2582	NS 405	36	DEL	500	500	5.0	10.000	150.000	H	150J		2.000	G	250UA 500	10	10.000
	2N2583	NS 405	36	DEL	500	500	5.0	10.000	150.000	H	150J		2.000	G	250UA 500	16	10.000
	2N2586	NS 211	18	ITT,TII,RAY,NSC,SOL,TEC	60	45	6.0	.030	.300	A	175J		45.000	G	2NA 45	300	.010
	2N2590	PS 211	46	SOL,SSD,HUG	100	60	7.0	.050	.400	A	200J		50.000	G	25NA 80	30	.001
	2N2591	PS 211	46	SOL,SSD,HUG	100	60	7.0	.050	.400	A	200J		70.000	G	25NA 80	53	.001
	2N2592	PS 211	46	SOL,SSD,HUG	100	60	7.0	.050	.400	A	200J		90.000	G	25NA 80	105	.001
	2N2593	PS 211	46	SOL,SSD,HUG	100	60	7.0	.050	.400	A	200J		110.000	G	25NA 80	150	.001
	2N2594	NS 211	5	TRW,TEC,HUG	80	80	7.0	1.000	5.000	C	200J		40.000	G	100NA 60	86	.100
	2N2595	PS 211	46	SOL,HUG	80	60	6.0	.050	.400	A	200J		30.000	G	25NA 50	30	.005
	2N2596	PS 211	46	SOL,SSD,HUG	80	60	6.0	.050	.400	A	200J		40.000	G	25NA 50	60	.005
	2N2597	PS 211	46	SOL,SSD,HUG	80	60	6.0	.050	.400	A	200J		60.000	G	25NA 50	120	.005
	2N2598	PS 210	46	SES,SOL,TEC,HUG	125	80	7.0	.050	.400	A	200J		30.000	G	25NA 80	30	.005
	2N2599	PS 210	46	SES,SOL,SSD,TEC,HUG	125	80	7.0	.050	.400	A	200J		40.000	G	25NA 80	60	.005
	2N2599A	PS 211	46	SOL,SSD,HUG	125	100	7.0	.050	.400	A	200J		40.000	G	25NA 80	60	.005
	2N2600	PS 210	46	SES,SOL,SSD,TEC,HUG	125	80	7.0	.050	.400	A	200J		60.000	G	25NA 80	120	.005
	2N2600A	PS 211	46	SOL,SSD,HUG	125	100	7.0	.050	.400	A	200J		60.000	G	25NA 80	120	.005
	2N2601	PS 211	46	SOL,SSD,HUG	60	60	6.0	.050	.400	A	200J		20.000	G	25NA 45	18	.001
	2N2602	PS 211	46	SOL,SSD,HUG	60	60	6.0	.050	.400	A	200J		40.000	G	25NA 45	38	.001
	2N2603	PS 211	46	SOL,SSD,HUG	60	60	6.0	.050	.400	A	200J		60.000	G	25NA 45	75	.001
	2N2604	PS 211	46	TII,GIC,NSC,SOL,SSD,TEC	60	45	6.0	.030	.400	A	200J		30.000	G	10NA 45	80	.010
	2N2605	PS 211	46	RAY,TII,GIC,NSC,SOL,SSD	60	45	6.0	.030	.400	A	200J		30.000	G	10NA 45	200	.010
	2N2605A	PS 211	46	SOL,SSD,HUG	60	45	6.0	.030	.400	A	200J		45.000	G	2NA 45	225	.001
	2N2610	NS 10 F		TEC,HUG	45	40	1.0	.025	.150	A	150A				2UA 30	14	.001
-	2N2611	NS 635 B		GEC	120	100	1.0		15.000	C	175J		4.000	G	50UA 120	22	.200
	2N2612	PG 605	3	SOL	65	65	30.0	15.000	90.000	C	100J		.004	E	15MA 65	147	10.000
	2N2613	PG 210	5	ETC	30	25R	25.0	.050	.120	A	100J		10.000	B	5UA 20	200	
	2N2613+	PG 120	1	RCA	30	25R	25.0	.050	.120	A	100J		10.000	B	5NA 20	200	
	2N2614	PG 120	1	RCA	40	35R	25.0	.050	.120	A	100J		10.000	B	5NA 20	110	
	2N2615	NS 211	18	HUG	30	15	3.0			.300	A	200J	500.000	G	1NA 15	70	.010
	2N2616	NS 211	18	HUG,FSC	30	15	3.0	.050		.300	A	200J	600.000	G	10NA 15	50	.003
	2N2618	NS 211	5	TRW	60	40	7.0	.750		.600	A	250J	200.000	G	250NA 25	50	
-	2N2618/46	NS 211	46	SYL	60	40	7.0	.750		.400	A	250J	200.000	G	250NA 25	50	
	2N2631	SEE RF POWER SECTION															
	2N2632	NS 560	62	SOL,HUG	90	60	8.0	5.000	40.000	C	200J		60.000	G	100NA 60	80	1.000
	2N2633	NS 560	62	SOL,HUG	120	80	8.0	5.000	40.000	C	200J		60.000	G	100NA 60	80	1.000
	2N2634	NS 560	62	SOL,HUG	150	100	8.0	5.000	40.000	C	200J		60.000	G	100NA 60	80	1.000
	2N2635	PG 210	18	TII,MOT	30	15	2.5	.100	.150	A	100J		150.000	G	5UA 25	160	.050
	2N2636	PG 607	41	SOL	100	100S		25.000	100.000	C	110J		.010	E	10MA 100	80	
	2N2637	PG 607	41	SOL	100			25.000	100.000	C	110J		.010	E	300UA 2	40	9.999
	2N2638	PG 607	41	SOL	100	100S		25.000	100.000	C	110J		.010	E	10MA 100	80	
	2N2645	NS 211	18	SES,RAY,FSC	75	50R	7.0		.500	A	200J		60.000	G	10NA 60	160	.150
-	2N2648	PG 211	5	GTC	35	10	30.0		.300	A	100J		10.000	G	5UA 15	300	
-	2N2651	NS 211	18	FSC	40	20	5.0	.500	.360	A	200J		350.000	G	30NA 20	37	.010
	2N2654	PG 217	12	AMP	32	32S	.5	.010	.150	A	85J		125.000	G	8UA 10	50	
	2N2656	NS 210	18	TRW	25	15	5.0	.200	.360	A	200J		250.000	G	500NA 15	66	.001
	2N2657	NS 211	5	SOL,SSP,STC,NSC,HUG	80	60	8.0	5.000	1.250	A	200J		20.000	G	100NA 60	80	1.000
	2N2658	NS 211	5	SOL,SSP,STC,NSC,HUG	100	80	8.0	5.000	1.250	A	200J		20.000	G	100NA 60	80	1.000
	2N2659	PG 211	11	TII,KSC	50	50	20.0	3.000	15.000	A	100A		.280	G	125UA 25	70	
	2N2660	PG 211	11	TII,KSC	70	70	20.0	3.000	15.000	A	100A		.280	G	125UA 35	70	
	2N2661	PG 211	11	TII,KSC	50	50	20.0	3.000	15.000	A	100A		.300	G	125UA 25	110	
	2N2662	PG 541 B		TII,KSC	50	50	20.0	3.000	15.000	A	100A		.280	G	125UA 45	70	
	2N2663	PG 541 B		TII,KSC	70	70	20.0	3.000	15.000	A	100A		.280	G	125UA 35	70	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N2664	PG 541 B		TII,KSC	90	90	20.0	3.000	15.000	A	100A	.280	G	125UA	45	70	
	2N2665	PG 211	11	TII,KSC	70	70	20.0	3.000	15.000	A	100A	.300	G	125UA	35	110	
	2N2666	PG 211	11	TII,KSC	90	90	20.0	3.000	15.000	A	100A	.300	G	125UA	45	110	
	2N2667	PG 211	11	TII,KSC	90	90	20.0	3.000	15.000	A	100A	.300	G	125UA	45	110	
	2N2668	PG 541 B		TII,KSC	50	50	20.0	3.000	15.000	A	100A	.300	G	125UA	25	110	
	2N2669	PG 541 B		TII,KSC	70	70	20.0	3.000	15.000	A	100A	.300	G	125UA	35	110	
	2N2670	PG 541 B		TII,KSC	90	90	20.0	3.000	15.000	A	100A	.300	G	125UA	45	110	
	2N2671	PG 217	12	AMP	32	14	1.0	.010	.100	A	75J	44.000	G	8UA	6	140	
	2N2672	PG 210	39	AMP	32	14	1.0	.010	.100	A	85J	44.000	G	8UA	6	140	
-	2N2673	NS 210	46	GEC	60	45	3.0	.025	.250	A	175J	2.500	B	100NA	30	16	
-	2N2674	NS 210	46	GEC	60	45	3.0	.025	.250	A	175J	5.000	B	100NA	30	32	
-	2N2675	NS 210	46	GEC	60	45	3.0	.025	.250	A	175J	10.000	B	100NA	30	46	
-	2N2676	NS 210	46	GEC	60	45	3.0	.025	.250	A	175J	10.000	B	100NA	30	150	
-	2N2677	NS 210	46	GEC	45	35	2.0	.025	.250	A	175J	10.000	B	100NA	330	38	
-	2N2678	NS 210	46	GEC	45	35	2.0	.025	.250	A	175J	20.000	B	100NA	30	100	
	2N2691	PG 607	41	SOL	100			50.000	100.000	C	110J	.010	E	5MA	100	55	20.000
	2N2691A	PG 607	41	SOL	120			50.000	170.000	C	110J	.010	E	5MA	120	75	20.000
-	2N2692	NS 211	18	TII	45	30	10.0	.050	.300	A	175J	42.000	G	10NA	25	200	
-	2N2693	NS 211	18	TII	45	30	10.0	.050	.300	A	175J	42.000	G	10NA	25	120	
-	2N2694	NS 211	18	TII	45	30	10.0	.050	.300	A	175J	42.000	G	10NA	25	60	
	2N2695	PS 211	46	RAY,TEC,MOT,HUG,FSC,TIL	25	25	4.0	.500	.360	A	200J	100.000	G	25NA	10	80	
	2N2696	PS 211	18	RAY,TEC,HUG,FSC,ITT,TIL	25	25	4.0	.500	.360	A	200J	100.000	G	25NA	10	80	.050
	2N2697	NS 490 A		SOL,HUG	80	60	8.0	5.000	20.000	C	200J	60.000	G	100NA	60	80	1.000
	2N2698	NS 490 A		SOL,HUG	100	80	8.0	5.000	20.000	C	200J	60.000	G	100NA	60	80	1.000
	2N2706	PG 120	1	AMP	32	32S	10.0	.200	.165	A	75J	1.300	G	200UA	32	120	
	2N2707			M,P,2N2706,2N2430													
	2N2708	NS 217	72	RCA,RAY,GIC,HUG	35	20	3.0	.500	.100	A	200J	700.000	G	10NA	15	100	.002
	2N2710	NS 211	18	MOT	40	20	5.0	.500	.360	A	200J	500.000	G	30NA	20	60	.010
	2N2711	NS 45	98	GEC,SPR,HUG	18	18	5.0	.100	.200	A	100J	200.000	G	500UA	18	60	
	2N2712	NS 45	98	SPR,HUG	18	18	5.0	.100	.200	A	100J	300.000	G	500UA	18	150	
	2N2713	NS 45	98	GEC,SPR,SES,HUG	18	18	5.0	.200	.200	A	100J	150.000	G	500NA	18	60	
	2N2714	NS 45	98	GEC,SPR,SES,HUG	18	18	5.0	.200	.200	A	100J	200.000	G	500UA	18	150	
-	2N2715	NS 45	98	GEC	18	18	5.0	.025	.200	A	100J	100.000	G	500UA	18	60	
-	2N2716	NS 45	98	GEC	18	18	5.0	.025	.200	A	100J	150.000	G	500UA	18	150	
	2N2726	NS 211	5	TEC,HUG,GEC	200	200R	10.0		1.000	A	200J	15.000	G	1UA	100	60	.200
	2N2727	NS 211	5	TEC,HUG	200	200R	10.0		1.000	A	200J	15.000	G	1UA	100	120	.200
	2N2728	PG 405	36	MOT	15	5	15.0	50.000	170.000	C	110J	.003	E	10MA	15	74	9.999
	2N2729	NS 211	46	FSC	30	15	3.0	.050	.300	A	200J	600.000	G	10NA	15	50	.003
	2N2730	PG 405	36	SOL,HUG	80	60	30.0	65.000	170.000	C	110J	.350	G	5MA	80	70	25.000
	2N2731	PG 405	36	SOL,HUG	60	45	30.0	65.000	170.000	C	110J	.350	G	5MA	60	70	25.000
	2N2732	PG 405	36	SOL,HUG	40	30	20.0	65.000	170.000	C	110J	.350	G	5MA	40	70	25.000
	2N2733	PG 176 E		SOL,HUG	80	60	30.0	65.000	140.000	C	110J	.350	G	5MA	80	70	25.000
	2N2734	PG 176 E		SOL,HUG	60	45	30.0	65.000	140.000	C	110J	.350	G	5MA	60	70	25.000
	2N2735	PG 176 E		SOL	40	30	20.0	65.000	140.000	C	110J	.350	G	5MA	40	70	25.000
	2N2736	PG 571 A		SOL,HUG	80	60	3.0	65.000	140.000	C	110J	.350	G	5MA	80	70	25.000
	2N2737	PG 571 A		SOL,HUG	60	45	3.0	65.000	140.000	C	110J	.350	G	5MA	60	70	25.000
	2N2738	PG 571 A		SOL,HUG	40	30	2.0	65.000	140.000	C	110J	.350	G	5MA	40	70	25.000
	2N2739	NS 412	82	WHE,ETC,SPC,SEN	50	50	15.0	20.000	200.000	C	175J	.200	G	5MA	50	15	10.000
	2N2740	NS 412	82	WHE,ETC,SPC,SEN	100	100	15.0	20.000	200.000	C	175J	.200	G	5MA	100	15	10.000
	2N2741	NS 412	82	WHE,ETC,SPC,SEN	150	150	15.0	20.000	200.000	C	175J	.200	G	5MA	150	15	10.000
	2N2742	NS 412	82	WHE,ETC,SPC,SEN	200	200	15.0	20.000	200.000	C	175J	.200	G	5MA	200	15	10.000
	2N2745	NS 412	82	WHE,SPC,SEN	50	50	15.0	20.000	200.000	C	175J	.200	G	30MA	50	15	15.000
	2N2746	NS 412	82	WHE,SPC,SEN	100	100	15.0	20.000	200.000	C	175J	.200	G	30MA	100	15	15.000
	2N2747	NS 412	82	WHE,SPC,SEN	150	150	15.0	20.000	200.000	C	175J	.200	G	30MA	150	15	15.000
	2N2748	NS 412	82	WHE,SPC,SEN	200	200	15.0	20.000	200.000	C	175J	.200	G	30MA	200	15	15.000
	2N2751	NS 412	82	WHE,SPC,SEN	50	50	15.0	20.000	200.000	C	175J	.200	G	30MA	50	15	20.000
	2N2752	NS 412	82	WHE,SPC,SEN	100	100	15.0	20.000	200.000	C	175J	.200	G	30MA	100	15	20.000
	2N2753	NS 412	82	WHE,SPC,SEN	150	150	15.0	20.000	200.000	C	175J	.200	G	30MA	150	15	20.000
	2N2754	NS 412	82	WHE,SPC,SEN	200	200	15.0	20.000	200.000	C	175J	.200	G	30MA	200	15	20.000
	2N2757	NS 561 F		WHE,SPC,SEN	50	50	15.0	30.000	200.000	C	175J	.200	G	30MA	50	14	10.000
	2N2758	NS 561 F		WHE,SPC,SEN	100	100	15.0	30.000	200.000	C	175J	.200	G	30MA	150	14	10.000
	2N2759	NS 561 F		WHE,SPC,SEN	150	150	15.0	30.000	200.000	C	175J	.200	G	30MA	150	14	10.000
	2N2760	NS 561 F		WHE,SPC,SEN	200	200	15.0	30.000	200.000	C	175J	.200	G	30MA	150	14	10.000
	2N2761	NS 561 F		WHE,SPC,SEN	250	250	15.0	30.000	200.000	C	175J	.200	G	30MA	150	14	10.000
	2N2763	NS 561 F		WHE,SPC,SEN	50	50	15.0	30.000	200.000	C	175J	.200	G	30MA	50	14	15.000
	2N2764	NS 561 F		WHE,SPC,SEN	100	100	15.0	30.000	200.000	C	175J	.200	G	30MA	100	14	15.000
	2N2765	NS 561 F		WHE,SPC,SEN	150	150	15.0	30.000	200.000	C	175J	.200	G	30MA	150	14	15.000
	2N2766	NS 561 F		WHE,SPC,SEN	200	200	15.0	30.000	200.000	C	175J	.200	G	30MA	200	14	15.000
	2N2769	NS 561 F		WHE,SPC,SEN	50	50	15.0	30.000	200.000	C	175J	.200	G	30MA	50	13	20.000
	2N2770	NS 561 F		WHE,SPC,SEN	100	100	15.0	30.000	200.000	C	175J	.200	G	30MA	100	13	20.000
	2N2771	NS 561 F		WHE,SPC,SEN	150	150	15.0	30.000	200.000	C	175J	.200	G	30MA	150	13	20.000
	2N2772	NS 561 F		WHE,SPC,SEN	200	200	15.0	30.000	200.000	C	175J	.200	G	30MA	200	13	20.000
	2N2775	NS 561 F		WHE,SPC,SEN		50	15.0	30.000	200.000	H	175J	.200	G	30MA	50	12	25.000
	2N2776	NS 561 F		WHE,SPC,SEN		100	15.0	30.000	200.000	H	175J	.200	G	30MA	100	12	25.000
	2N2777	NS 561 F		WHE,SPC,SEN		150	15.0	30.000	200.000	H	175J	.200	G	30MA	150	12	25.000
	2N2778	NS 561 F		WHE,SPC,SEN		200	15.0	30.000	200.000	H	175J	.200	G	30MA	200	12	25.000
	2N2781			SEE RF POWER SECTION													
	2N2782			SEE RF POWER SECTION													
	2N2783			SEE RF POWER SECTION													
	2N2784	NS 211	18	TEC,HUG	15	6	4.0		.300	A	200J	990.000	G	5NA	5	80	.010
-	2N2784/46	NS 210	46	SYL	15	6	4.0		.300	A	200J	990.000	G	5NA	5	80	
-	2N2784/51	NS 910	51	SYL	15	6	4.0		.300	A	200J	990.000	G	5NA	5	80	
-	2N2786	PG 211	39	AMP	35	32		.150	.260	A	90J	225.000	G	10UA	10	80	
-	2N2786A	PG 211	39	AMP	35	34S		.150	1.500	A	90J	225.000	G	10UA	10	66	
-	2N2787	NS 210	5	SPR	75	35		.800	.280	A	175J	250.000	G	10NA	50	40	
-	2N2788	NS 210	5	GIC	75	35	5.0	.800	.800	C	175J	250.000	G	10NA	50	80	
-	2N2789	NS 210	5	GIC	75	35	5.0	.800	.800	C	175J	250.000	G	10NA	50	200	
-	2N2790	NS 210	18	SPR	75	35		.800	.500	C	175J	250.000	G	10NA	50	40	
-	2N2791	NS 210	18	GIC	75	35		.800	.500	C	175J	250.000	G	10NA	50	80	
-	2N2792	NS 210	18	GIC	75	35		.800	.500	C	175J	250.000	G	10NA	50	200	
	2N2795	PG 210	18	SPR,HUG	25	25S	2.5	.100	.075	C	100J	300.000	G	3UA	15	100	
	2N2796	PG 210	18	SPR,HUG	20	12	2.0	.100	.075	A	100J	300.000	G	3UA	15	60	
-	2N2797	PG 170	9	SPR	40	20	2.5	.100	.075	A	100J	150.000	G	2UA	15	80	
-	2N2798	PG 170	9	SPR	60	25	2.5	.100	.075	A	100J	120.000	G	3UA	15	50	
-	2N2799	PG 170	9	SPR	30	15	2.0	.100	.075	A	100J	120.000	G	3UA	15	50	
	2N2800	PS 211	5	RAY,MOT,HUG	50	35	5.0	.800	.800	A	200J	120.000	G	100NA	25	50	.150
	2N2801	PS 211	5	RAY,MOT,HUG	50	35	5.0	.800	.800	A	200J	120.000	G	100NA	25	120	.150
	2N2811	NS 561	61	WHE,SOL,HUG	80	60	8.0	10.000	40.000	H	200J	20.000	G	100NA	60	40	5.000
	2N2812	NS 561	61	WHE,SOL,HUG	80	60	8.0	10.000	40.000	H	200J	30.000	G	100NA	60	80	5.000
	2N2813	NS 561	61	WHE,SOL,HUG	120	80	8.0	10.000	40.000	H	200J	20.000	G	100NA	60	40	5.000
	2N2814	NS 561	61	WHE,SOL,HUG	120	80	8.0	10.000	40.000	H	200J	30.000	G	100NA	60	80	5.000
	2N2815	NS 561	63	SES,SPC,STC	80	80	10.0	20.000	200.000	C	200J	.600	G	2MA	80	22	10.000
	2N2816	NS 561	63	ETC,SES,SPC,STC	100	100	10.0	20.000	200.000	C	200J	.600	G	2MA	100	22	10.000
	2N2817	NS 561	63	SES,SPC,STC	150	150	10.0	20.000	200.000	C	200J	.600	G	2MA	150	22	10.000
	2N2818	NS 561	63	ETC,SES,SPC,STC	200	200	10.0	20.000	200.000	C	200J	.600	G	2MA	100	22	10.000
	2N2819	NS 561	63	SES,SPC,STC	80	80	10.0	25.000	200.000	C	200C	.600	G	2MA	80	22	15.000
	2N2820	NS 561	63	SES,SPC,STC	100	100	10.0	25.000	200.000	C	200C	.600	G	2MA	100	22	15.000
	2N2821	NS 561	63	SES,SPC,STC	150	150	10.0	25.000	200.000	C	200C	.600	G	2MA	150	22	15.000
	2N2822	NS 561	63	SES,SPC,STC	200	200	10.0	25.000	200.000	C	200C	.600	G	2MA	200	22	15.000
	2N2823	NS 561	63	SES,SPC,STC	80	80	10.0	30.000	200.000	C	200C	.600	G	2MA	80	20	20.000
	2N2824	NS 561	63	SES,SPC,STC	100	100	10.0	30.000	200.000	C	200C	.600	G	2MA	100	20	20.000
	2N2825	NS 561	63	SES,SPC,STC	150	150	10.0	30.000	200.000	C	200C	.600	G	2MA	150	20	20.000
-	2N2826	PG 631	37	DEL	25	15	15.0	.500	7.500	C	100J	.017	E	200UA	25	130	
-	2N2827	PG 631	37	DEL	40	30	20.0	.500	7.500	C	100J	.017	E	200UA	40	130	
	2N2828	NS 561	59	STC		60		3.000	40.000	C				150UA	80	35	.500
	2N2829	NS 561	59	STC		60		3.000	40.000	C				150UA	80	35	1.000
	2N2831	NS 211	18	TRW	40	12	3.0		1.200	C		250.000	G	30NA	15	50	.010
	2N2832	PG 605	3	MOT	80	50	2.0	20.000	85.000	C	110J	10.000	G	10MA	80	75	1.000
	2N2833	PG 605	3	MOT	120	75	2.0	20.000	85.000	C	110J	10.000	G	10MA	120	75	1.000
	2N2834	PG 605	3	MOT	140	100	2.0	20.000	85.000	C	110J	10.000	G	10MA	140	75	1.000
	2N2836	PG 605	3	AMP	55	55	20.0	3.500	35.000	C	75J	.350	G	50UA	1	60	
	2N2837	PS 211	18	RAY,MOT,GIC,HUG	50	35	5.0	.800	.500	A	200J	120.000	G	100NA	25	60	.150
	2N2838	PS 211	18	RAY,MOT,ITT,GIC,HUG	50	35	5.0	.800	.500	A	200J	120.000	G	100NA	25	150	.150
	2N2845	NS 211	18	FSC,MOT,TEC,HUG	60	30	5.0	.800	.360	A	200J	250.000	G	100NA	50	70	.150
	2N2846	NS 211	5	FSC,MOT,TEC,HUG	60	30	5.0	.800	.800	A	200J	250.000	G	100NA	50	70	.150
	2N2847	NS 211	18	FSC,MOT,TEC,HUG	60	20	5.0		.360	A	200J	250.000	G	100NA	50	90	.150
	2N2848	NS 211	5	FSC,MOT,TEC,HUG	60	20	5.0		.800	A	200J	250.000	G	100NA	50	90	.150
	2N2849	NS 211 B		SSP,HUG	100	80	5.0	3.000	.850	A	200J	40.000	G	100NA	80	90	
	2N2849-1	NS 211	5	SSP	100	80	5.0	3.000	.850	A	200J	40.000	G	100NA	80	90	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.	I_{CBO} @ V_{CB}		h_{FE} @ Ic(A)	
	2N2849-2	NS 581 B		SSP	100	80	5.0	3.000	5.000	H	200J		40.000	G	100NA 80	90		
	2N2849-3	NS 546 A		SSP	100	80	5.0	3.000	5.000	H	200J		40.000	G	100NA 80	90		
	2N2850	NS 211 B		SSP,HUG	100	80	5.0	3.000	.850	A	200J		30.000	G	100NA 80	50		
	2N2850-1	NS 211	5	SSP	100	80	5.0	3.000	.850	A	200J		30.000	G	100NA 80	50		
	2N2850-2	NS 581 B		SSP	100	80	5.0	3.000	5.000	H	200J		30.000	G	100NA 80	50		
	2N2850-3	NS 546 A		SSP	100	80	5.0	3.000	5.000	H	200J		30.000	G	100NA 80	50		
	2N2851	NS 211 B		SSP,HUG	100	80	5.0	3.000	.850	A	200J		30.000	G	100NA 80	50		
	2N2851-1	NS 211	5	SSP	100	80	5.0	3.000	.850	A	200J		30.000	G	100NA 80	50		
	2N2851-2	NS 581 B		SSP	100	80	5.0	3.000	5.000	H	200J		30.000	G	100NA 80	50		
	2N2851-3	NS 546 A		SSP	100	80	5.0	3.000	5.000	H	200J		30.000	G	100NA 80	50		
	2N2852	NS 211 B		SSP,HUG	100	80	5.0	3.000	.850	A	200J		20.000	G	100NA 80	25		
	2N2852-1	NS 211	5	SSP	100	80	5.0	3.000	.850	A	200A		20.000	G	100NA 80	25		
	2N2852-2	NS 581 B		SSP	100	80	5.0	3.000	5.000	H	200J		20.000	G	100NA 80	25		
	2N2852-3	NS 546 A		SSP	100	80	5.0	3.000	5.000	H	200J		20.000	G	100NA 80	25		
	2N2853	NS 211 B		SSP,HUG	60	40	5.0	3.000	.850	A	200J		30.000	G	100NA 40	80		
	2N2853-1	NS 211	5	SSP	60	40	5.0	3.000	.850	A	200J		30.000	G	100NA 40	80		
	2N2853-2	NS 581 B		SSP	60	40	5.0	3.000	5.000	H	200J		30.000	G	100NA 40	80		
	2N2853-3	NS 546 A		SSP	60	40	5.0	3.000	5.000	H	200J		30.000	G	100NA 40	80		
	2N2854	NS 211 B		SSP,HUG	60	40	5.0	3.000	.850	A	200J		40.000	G	100NA 40	90		
	2N2854-1	NS 211	5	SSP	60	40	5.0	3.000	.850	A	200J		40.000	G	100NA 40	90		
	2N2854-2	NS 581 B		SSP	60	40	5.0	3.000	5.000	H	200J		40.000	G	100NA 40	90		
	2N2854-3	NS 546 A		SSP	60	40	5.0	3.000	5.000	H	200J		40.000	G	100NA 40	90		
	2N2855	NS 211 B		SSP,HUG	60	40	5.0	3.000	.850	A	200J		30.000	G	100NA 40	50		
	2N2855-1	NS 211	5	SSP	60	40	5.0	3.000	.850	A	200J		30.000	G	100NA 40	50		
	2N2855-2	NS 581 B		SSP	60	40	5.0	3.000	5.000	H	200J		30.000	G	100NA 40	50		
	2N2855-3	NS 546 A		SSP	60	40	5.0	3.000	5.000	H	200J		30.000	G	100NA 40	50		
	2N2856	NS 211 B		SSP,HUG	60	40	5.0	3.000	.850	A	200J		20.000	G	100NA 40	25		
	2N2856-1	NS 211	5	SSP	60	40	5.0	3.000	.850	A	200J		20.000	G	100NA 40	25		
	2N2856-2	NS 581 B		SSP	60	40	5.0	3.000	5.000	H	200J		20.000	G	100NA 40	25		
	2N2856-3	NS 546 A		SSP	60	40	5.0	3.000	5.000	H	200J		20.000	G	100NA 40	25		
	2N2857	NS 217	72	RCA,AMP,MOT,HUG	30	15	2.5	.020	.300	A	200J		900.000	G	10NA 15	68		.003
	2N2858	NS 211	5	STC,SEN	100	80	10.0	3.000	8.750	C	200J		1.000	G	150UA 100	35		1.000
	2N2859	NS 211	5	STC,SEN	120	100	10.0	3.000	8.750	C	200J		1.000	G	150UA 120	35		1.000
	2N2861	PS 211	18	TII,RAY,TEC,HUG	25	20	5.0	.100	.300	A	200J		60.000	G	10NA 25	70		.001
	2N2862	PS 211	18	TII,RAY,TEC,HUG	25	20	5.0	.100	.300	A	200J		45.000	G	10NA 25	42		.001
	2N2863	NS 211	5	TII	60	25	5.0	1.000	.800	A	200J		150.000	G	500NA 30	110		
	2N2864	NS 211	5	TII	60	25	5.0	1.000	.800	A	200J		150.000	G	500NA 30	110		
	2N2865	NS 217	72	RAY,HUG,TIL	25	13	3.0	.050	.200	A	200J		600.000	G	10NA 15	110		
	2N2866	NS 561	59	HUG	120	80			40.000	C	175J		.010	G		35		.500
	2N2867	NS 561	59	HUG	120	80			40.000	C	175J		.010	G		70		.500
	2N2868	NS 211	5	TII,SES,RAY,HUG,FSC	60	40	7.0	1.000	.800	A	200J		50.000	G	10NA 30	80		.150
	2N2869	PG 605	3	ETC,HUG	60	50	10.0	10.000	30.000	C	100J		.200	G	500UA 30	90		1.000
	2N2869/2N301	PG 605	3	RCA,SOL	60	50	10.0	10.000	30.000	C	100J		.200	G	500UA 30	100		1.000
	2N2870	PG 605	3	ETC	80	50	10.0	10.000	30.000	C	100J		.200	G	500UA 30	90		1.000
	2N2870/2N301A	PG 605	3	RCA,SOL	80	50	10.0	10.000	30.000	C	100J		.200	G	500UA 30	100		1.000
	2N2874	SEE RF POWER SECTION																
	2N2875	PS 585 A		TEC,HUG	60	50	5.0	2.000	20.000	C	200C		25.000	G	1UA 30	30		.050
	2N2876	SEE RF POWER SECTION																
	2N2877	NS 581	111	STC,SOL,TEC,HUG	80	60	8.0	5.000	30.000	H	200J		30.000	G	100NA 60	40		1.000
	2N2878	NS 581	111	STC,SOL,NSC,TEC,HUG	80	60	8.0	5.000	30.000	H	200J		50.000	G	100NA 60	80		1.000
	2N2879	NS 581	111	STC,SOL,TEC,HUG	100	80	8.0	5.000	30.000	H	200J		30.000	G	100NA 60	40		1.000
	2N2880	NS 581	111	STC,SOL,NSC,TEC,HUG	100	80	8.0	5.000	30.000	H	200J		50.000	G	100NA 60	80		1.000
	2N2881	PS 211	5	STC,CRY	60	60	10.0	2.000	8.750	C	200J		.800	G	75UA 60	35		.500
	2N2882	PS 211	5	STC,CRY	100	100	10.0	2.000	8.750	C	200J		.800	G	75UA 100	35		.500
	2N2883	NS 211	5	TIL	40	20	4.0	.300	.800	A	200J		400.000	G	500NA 20	40		.100
	2N2884	NS 211	5	TIL	40	20	4.0	.300	.800	A	200J		400.000	G	500NA 20	40		.100
	2N2886	NS 211	5	TRW	50	40	5.0		.800	A			AUD		100NA 30	34		.005
	2N2887	SEE RF POWER SECTION																
	2N2890	NS 211	5	FSC,SES,NSC,TEC,HUG	100	80	5.0		.800	A	200J		30.000	G	100NA 60	56		1.000
	2N2891	NS 211	5	FSC,SES,NSC,TEC,HUG	100	80	5.0		.800	A	200J		30.000	G	100NA 60	80		1.000
	2N2892	NS 561	59	FSC,NSC,TEC,HUG	100	80	5.0		30.000	C	200J		30.000	G	100NA 60	56		1.000
	2N2893	NS 561	59	FSC,NSC,TEC,HUG	100	80	5.0		30.000	C	200J		30.000	G	100NA 60	80		1.000
	2N2894	NS 211	18	MOT,TII,RAY,TEC,HUG,FSC	12	12	4.0	.200	.360	A	200J		400.000	G	10UA 6	90		.030
	2N2894A	PS 211	18	FSC,TEC,HUG,ITT	12	12	4.5		.360	A	200J		800.000	G	50NA 10	55		.100
	2N2895	NS 211	18	RCA,RAY,TEC,MOT	120	85	7.0	1.000	.500	A	200J		120.000	G	2NA 60	80		.150
	2N2896	NS 211	18	RCA,RAY,TEC,MOT	140	90	7.0	1.000	.500	A	200J		120.000	G	10NA 90	110		.150
	2N2897	NS 211	18	RCA,RAY,TEC,MOT	60	45	7.0	1.000	.500	A	200J		100.000	G	50NA 60	110		.150
	2N2898	NS 211	46	RAY,TEC	120	65	7.0	1.000	.500	A	200J		120.000	G	2NA 60	70		.150
	2N2899	NS 211	46	RAY,TEC	140	90	7.0	1.000	.500	A	200J		120.000	G	10NA 90	110		.150
	2N2900	NS 211	46	RAY,TEC	60	45	7.0	1.000	.500	A	200J		100.000	G	50NA 60	100		.150
-	2N2902	NS 461	57	TII	120	120	10.0	.750	40.000	C	200C		2.000	G	250UA 120	52		.500
	2N2904	PS 211	5	RAY,TII,SPR,MOT,FSC,GIC	60	40	5.0	.600	.600	A	200J		200.000	G	20NA 50	80		.150
	2N2904A	PS 211	5	TII,GIC,SPR,RAY,MOT,FSC	60	60	5.0	.600	.600	A	200J		200.000	G	10NA 50	80		.150
	2N2905	PS 211	5	RAY,SPR,MOT,FSC,GIC,TII	60	40	5.0	.600	.600	A	200J		200.000	G	20NA 50	200		.150
	2N2905A	PS 211	5	TII,SPR,RAY,MOT,FSC,GIC	60	60	5.0	.600	.600	A	200J		200.000	G	10NA 50	200		.150
	2N2906	PS 211	18	RAY,SPR,MOT,FSC,GIC,TII	60	40	5.0	.600	.400	A	200J		200.000	G	20NA 50	80		.150
	2N2906A	PS 211	18	TII,SPR,RAY,MOT,FSC,GIC	60	60	5.0	.600	.400	A	200J		200.000	G	10NA 50	80		.150
	2N2907	PS 211	18	RAY,SPR,MOT,FSC,GIC,TII	60	60	5.0	.600	.400	A	200J		200.000	G	20NA 50	200		.150
	2N2907A	PS 211	18	TII,SPR,RAY,MOT,FSC,GIC	60	60	5.0	.600	.400	A	200J		200.000	G	10NA 50	200		.150
	2N2909	NS 211	46	TRW	60	40	7.0		2.000	C			50.000	G	10NA 15	70		.150
	2N2911	NS 211	5	STC,SEN	150	125	10.0	3.000	8.750	C	200J		1.000	G	150UA 150	35		1.000
	2N2912	PG 171 L		MOT	15	5	1.5	25.000	75.000	C	110J		10.000	G	10MA 15	400		5.000
	2N2921	NS 43	98	SES	25	25	5.0	.100	.200	A	100J		200.000	G	500NA 25	36		.002
	2N2922	NS 43	98	SES	25	25	5.0	.100	.200	A	100J		200.000	G	500NA 25	62		.002
	2N2923	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		160.000	G	500NA 25	116		.002
	2N2924	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		160.000	G	500NA 25	156		.002
	2N2925	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		160.000	G	500NA 25	216		.002
	2N2926-BRN	NS 45	98	GEC,SPR,SES	18	18	5.0	.100	.200	A	100J		150.000	G	500NA 18	90		
	2N2926-GRN	NS 45	98	GEC,SPR,SES	18	18	5.0	.100	.200	A	100J		150.000	G	500NA 18	350		
	2N2926-ORG	NS 45	98	GEC,SPR,SES	18	18	5.0	.100	.200	A	100J		150.000	G	500NA 18	135		
	2N2926-RED	NS 45	98	GEC,SPR,SES	18	18	5.0	.100	.200	A	100J		150.000	G	500NA 18	74		
	2N2926-YEL	NS 45	98	GEC,SPR,SES	18	18	5.0	.100	.200	A	100J		150.000	G	500NA 18	225		
	2N2927	PS 211	5	HUG,FSC	25	25	4.0	.500	.800	A	200J		100.000	G	25NA 10	80		.050
	2N2929	PG 211	5	MOT	25	10	.7	.100	.300	A	100J		800.000	G	5UA 10	30		.010
-	2N2938	NS 211	52	RCA	25	13	5.0	.500	.300	A	175C		500.000	G		75		
-	2N2939	NS 211	5	BEN	75	60	7.0	1.000	5.000	C	200J		150.000	G	25NA 60	140		
-	2N2940	NS 211	5	BEN	120	80	7.0	1.000	5.000	C	200J		150.000	G	25NA 90	140		
-	2N2941	NS 211	5	BEN	150	100	7.0	1.000	5.000	C	200J		150.000	G	25NA 100	140		
-	2N2942	PG 170	9	SPR	50	25	2.5	.100	.150	A	100J		150.000	G	2UA 25	80		
-	2N2943	PG 170	9	SPR	30	15	2.0	.100	.150	A	100J		120.000	G	3UA 15	50		
	2N2944	PS 211	46	RAY,SPR,TII,SOL,SSD,TEC	15	10	15.0	.100	.400	A	200J		10.000	G	1NA 15	200		.001
	2N2944A	PS 211	46	TII,RAY,TEC,CRY,TIL	15	10	15.0	.100	.400	A	200J		15.000	G	1NA 15	200		.001
	2N2945	PS 211	46	RAY,SPR,TII,NSC,SOL,SSD	25	20	25.0	.100	.400	A	200J		5.000	G	1NA 25	100		.001
	2N2945A	PS 211	46	TII,RAY,TEC,TIL,CRY	25	20	25.0	.100	.400	A	200J		10.000	G	1NA 25	140		.001
	2N2946	PS 211	46	RAY,SPR,TII,NSC,SOL,SSD	40	35	40.0	.100	.400	A	200J		3.000	G	1NA 40	70		.001
	2N2946A	PS 211	46	TII,RAY,TEC,TIL,CRY	40	35	40.0	.100	.400	A	200J		5.000	G	1NA 40	100		.001
	2N2947	NS 605	3	MOT	60	60S	3.0	1.500	25.000	C	175J		100.000	G	1UA 50	21		.400
	2N2948	NS 605	3	MOT	40	40S	2.0	1.500	25.000	C	175J		100.000	G	1UA 30	30		.400
	2N2949	NS 171 D		MOT	60	60S	3.0	.700	.500	A	175J		100.000	G	100NA 50	30		.040
	2N2950	NS 546	102	MOT	60	60S	3.0	.700	6.000	C	175J		100.000	G	100NA 50	30		.040
	2N2951	NS 210	5	MOT,TRW,SES,SPR,HUG	60	60S	5.0	.250	.800	A	175J		200.000	G	100NA 50	60		.010
	2N2952	NS 210	18	MOT,TRW,SPR,HUG	60	60S	5.0	.250	.500	A	175J		200.000	G	100NA 50	60		.010
	2N2953	PG 120	1	RCA	30	25R	25.0	.150	.120	A	100J		10.000	B	5UA 20	150		
	2N2955	PG 210	18	MOT	40	25	3.5	.100	.150	A	100J		200.000	G	10UA 25	43		.010
	2N2956	PG 210	18	MOT	40	20	3.5	.100	.150	A	100J		250.000	G	10UA 25	64		.010
	2N2957	PG 210	18	MOT	40	18	3.5	.100	.150	A	100J		300.000	G	10UA 25	105		.010
	2N2958	NS 210	5	SPR,MOT,TRW,RAY,HUG	60	20	5.0	.600	.600	A	200J		250.000	G	25NA 50	80		.150
	2N2959	NS 210	5	SPR,MOT,TRW,RAY,HUG	60	20	5.0	.600	.600	A	200J		250.000	G	25NA 50	170		.150
	2N2960	NS 211	5	TRW,RAY	60	30	5.0		.600	A			500.000	G	25NA 50	170		.150
	2N2961	NS 211	5	TRW,RAY	60	30	5.0		.600	A			500.000	G	25NA 50	170		.150
-	2N2962	PG 546 C		SPR	40	18	1.5	.300	3.000	C	100A		700.000	G	5UA 10			
-	2N2963	PG 546 C		SPR	40	18	1.0	.300	3.000	C	100A		700.000	G	5UA 10			
-	2N2964	PG 546 C		SPR	30	15	1.5	.300	3.000	C	100A		700.000	G	5UA 10			
-	2N2965	PG 546 C		SPR	30	15	1.0	.300	3.000	C	100A		700.000	G	5UA 10			
	2N2968	PS 210	5	SPR,HUG	30	10	30.0	.050	.150	A	140J		10.000	G	10NA 15	30		.001
	2N2969	PS 210	18	SPR,HUG	30	10	30.0	.050	.150	A	140J		10.000	G	10NA 15	30		.001
	2N2970	PS 210	5	SPR,HUG	30	20	30.0	.050	.150	A	140J		8.000	G	10NA 15	20		.001
	2N2971	PS 210	18	SPR,HUG	30	20	30.0	.050	.150	A	140J		8.000	G	10NA 15	20		.001
	2N2983	NS 211	5	HUG	155	80	8.0	3.000	15.000	H	175J		18.000	G	10UA 150	35		.500

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Cutoff	Gain
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W) Cont.	Temp. (°C) Cont.	Condition	I_{CBO} @ V_{CB}	h_{FE} @ I_C(A)
	2N2984	NS 211	5	HUG	185	120	8.0	3.000	15.000 H	175J	18.000 G	10UA 180	35 .500
	2N2985	NS 211	5	HUG	155	80	8.0	3.000	15.000 H	175J	18.000 G	10UA 150	70 .500
	2N2986	NS 211	5	HUG	185	120	8.0	3.000	15.000 H	175J	18.000 G	10UA 180	70 .500
	2N2987	NS 211	5	TII,TEC,HUG,SOL	95	80	7.0	1.000	15.000 H	175J	30.000 G	25NA 90	50 .200
	2N2988	NS 211	5	TII,TEC,HUG,SOL	155	100	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	50 .200
	2N2989	NS 211	5	TII,TEC,HUG,SOL	95	80	7.0	1.000	15.000 H	175J	30.000 G	25NA 90	90 .200
	2N2990	NS 211	5	TII,TEC,HUG,SOL	155	100	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	90 .200
	2N2991	NS 541 D		TII,TEC,HUG,SOL	95	80	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	50 .200
	2N2992	NS 541 D		TII,TEC,HUG,SOL	155	100	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	50 .200
	2N2993	NS 541 D		TII,TEC,HUG,SOL	95	80	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	90 .200
	2N2994	NS 541 D		TII,TEC,HUG,SOL	155	100	7.0	1.000	15.000 H	175J	30.000 G	25NA 150	90 .200
	2N2996	PG 217	72	TII	15	10	.3	.050	.075 A	100J	400.000 G	5UA 10	250
	2N2997	PG 217	72	TII	30	15	.3	.050	.075 A	100J	400.000 G	5UA 12	250
	2N2998	PG 217	72	TII	15	12	.3	.050	.075 A	100J	600.000 G	5UA 10	140
	2N2999	PG 217	72	TII	15	10	.2	.050	.075 A	100A	990.000 G	5UA 10	20
	2N3009	NS 211	52	FSC,MOT,HUG,ITT	40	15	4.0	.200	.360 A	200J	350.000 G	500NA 20	80 .030
	2N3010	NS 211	18	TII,FSC,RAY,TEC,MOT,HUG	15	6	4.0	.050	.300 A	200J	600.000 G	10UA 11	56 .010
	2N3011	NS 211	18	TII,FSC,RAY,ITT,TEC,MOT	30	12	5.0	.200	.360 A	200J	400.000 G	400NA 20	60 .010
	2N3012	PS 211	18	FSC,TII,RAY,ITT,TEC,HUG	12	12	4.0	.200	.360 A	200J	550.000 G	80NA 6	60 .030
	2N3013	NS 211	52	FSC,TII,ITT,SES,TEC,MOT	40	15	5.0	.200	.360 A	200J	350.000 G	300NA 20	80 .030
	2N3014	NS 211	52	FSC,TII,ITT,TEC,MOT,HUG	40	20	5.0	.200	.360 A	200J	350.000 G	300NA 20	80 .030
	2N3015	NS 211	5	TII,FSC,MOT,TEC	60	30	5.0		.800 A	200J	250.000 G	200NA 30	76 .150
-	2N3016	NS 210	5	BEN	100	50	4.0	2.500	5.000 C	150J	250.000 G	1UA 60	100
-	2N3017	NS 541 B		BEN	100	50	4.0	5.000	10.000 C	150J	250.000 G	1UA 60	60
-	2N3018	NS 560	61	BEN	100	50	4.0	10.000	25.000 C	150J	250.000 G	1UA 60	80
	2N3019	NS 211	5	FSC,MOT,TRW,RAY,NSC,TEC	140	80	7.0	1.000	.800 A	200J	180.000 G	10NA 90	200 .150
	2N3020	NS 211	5	FSC,RAY,NSC,TEC,MOT,TRW	140	80	7.0	1.000	.800 A	200J	80.000 G	10NA 90	80 .150
	2N3021	PS 605	3	MOT,SOL	30	30	4.0	3.000	25.000 C	175J	60.000 G	200UA 25	36 1.000
	2N3022	PS 605	3	MOT,SOL	45	45	4.0	3.000	25.000 C	175J	60.000 G	200UA 40	36 1.000
	2N3023	PS 605	3	MOT,SOL	60	60	4.0	3.000	25.000 C	175J	60.000 G	200UA 54	36 1.000
	2N3024	PS 605	3	MOT,SOL	30	30	4.0	3.000	25.000 C	175J	60.000 G	200UA 25	96 1.000
	2N3025	PS 605	3	MOT,SOL	45	45	4.0	3.000	25.000 C	175J	60.000 G	200UA 40	96 1.000
	2N3026	PS 605	3	MOT,SOL	60	60	4.0	3.000	25.000 C	175J	60.000 G	200UA 54	96 1.000
	2N3033	NS 211	18	NSC	100	100R	4.0	.200	.300 A	175J		5UA 85	
-	2N3034	NS 211	18	TII	70	70R	4.0	.200	.300 A	175J		5UA 55	
-	2N3035	NS 211	18	TII	50	50R	4.0	.200	.300 A	175J		5UA 35	
	2N3036	NS 211	5	TII,RAY,TRW,TIL	120	80	7.0	1.200	.800 A	200J	50.000 G	10NA 60	100
	2N3037	NS 909	50	TII	120	70	7.0	.500	.360 A	175J	50.000 G	10NA 60	80
	2N3038	NS 909	50	TII	100	60	7.0	.500	.360 A	175J	50.000 G	10NA 60	160
	2N3039	PS 909	50	TII	50	35	5.0	.500	.360 A	175J	50.000 G	25NA 30	40
	2N3040	PS 909	50	TII	40	30	5.0	.500	.360 A	175J	50.000 G	25NA 30	100
	2N3053	NS 211	5	RCA,ETC,NSC,TII,TEC,MOT	60	40	5.0	.700	1.000 A	200J	100.000 G	250NA 30	150 .150
	2N3054	NS 605	66	RCA,STC,TEC,MOT,WHE,HUG	90	55	7.0	4.000	25.000 C	200J	AUD	1MA 90	60 .500
	2N3054A	NS 605	66	MOT	90	60R	7.0	4.000	75.000 C	200C	.030 F	1MA 90	50 .500
	2N3055	NS 605	3	RCA,STC,SOL,WHE,ETC,SES	100	60	7.0	15.000	115.000 C	200J	.010 F	5MA 100	44 5.000
	2N3056	NS 211	46	RAY,TRW,TEC,HUG,FSC,ITT	100	60	7.0	1.000	.400 A	200J	80.000 G	10NA 60	70 .150
	2N3056A	NS 211	46	RAY,TEC,HUG,FSC,ITT	140	80	7.0	1.000	.400 A	200J	80.000 G	10NA 90	70 .150
	2N3057	NS 211	46	RAY,TRW,TEC,HUG,FSC,ITT	100	60	7.0	1.000	.400 A	200J	100.000 G	10NA 60	200 .150
	2N3057A	NS 211	46	RAY,TEC,HUG,FSC,ITT	140	80	7.0	1.000	.400 A	200J	100.000 G	10NA 90	200 .150
	2N3058	PS 211	46	SPR,HUG,CRY	6	6	6.0	.100	.400 A	200J	6.000 G	1NA 3	120
	2N3059	PS 211	46	SPR,HUG,CRY	10	10	10.0	.100	.400 A	200J	6.000 G	1NA 3	200
	2N3060	PS 211	46	SPR,RAY,NSC,HUG,CRY	70	60	30.0	.100	.400 A	200J	.600 G	5NA 60	60 .001
	2N3061	PS 211	46	SPR,RAY,NSC,HUG,CRY	70	60	30.0	.100	.400 A	200J	1.200 G	5NA 60	120 .001
	2N3062	PS 211	46	NSC,CRY	90	80	40.0	.100	.400 A	200J	.400 G	5NA 80	60 .001
	2N3063	PS 211	46	NSC,CRY	90	80	40.0	.100	.400 A	200J	1.000 G	5NA 80	100 .001
	2N3064	PS 211	46	CRY	110	100	50.0	.100	.400 A	200J	2.000 G	5NA 100	30 .001
	2N3065	PS 211	46	CRY	110	100	50.0	.100	.400 A	200J	3.000 G	5NA 100	60 .001
	2N3072	PS 211	5	RAY,HUG,FSC,ITT	60	60	4.0		.800 A	200J	130.000 G	20NA 50	62 .050
	2N3073	PS 211	18	RAY,HUG,FSC,ITT	60	60	4.0		.360 A	200J	130.000 G	20NA 50	62 .050
-	2N3074	PG 217	12	AMP	25	25R		.020	.140 A	75J	RF AMP	10UA 10	
-	2N3075	PG 217	12	AMP	30	30R		.020	.140 A	75J	RF AMP	10UA 10	
	2N3076	NS 414	81	TRW	140	100R	5.0		125.000 C		50.000 G	25MA 100	52 7.000
	2N3077	NS 210	18	TEC,HUG	80	60	7.0	.050	.360 A	200J	60.000 G	10NA 45	120 .001
	2N3078	NS 210	18	TEC,HUG	80	60	7.0	.050	.360 A	200J	60.000 G	10NA 45	38 .001
	2N3079	NS 405	36	DEL		200	5.0	10.000		150J	2.500 G		22 5.000
	2N3080	NS 405	36	DEL		300	5.0	10.000		150J	2.500 G		22 5.000
	2N3081	PS 211	5	RAY	70	50	5.0	.600	.600 A	175J	150.000 G	10NA 50	60 .150
	2N3107	NS 211	5	FSC,ITT,RAY,HUG	100	60	7.0		.800 A	200J	70.000 G	10NA 60	90 .500
	2N3108	NS 211	5	FSC,ITT,RAY,NSC,TEC,HUG	100	60	7.0		.800 A	200J	60.000 G	10NA 60	50 .500
	2N3109	NS 211	5	FSC,ITT,RAY,NSC,HUG	80	40	7.0		.800 A	200J	70.000 G	10NA 60	90 .500
	2N3110	NS 211	5	FSC,ITT,RAY,NSC,TEC,HUG	80	40	7.0		.800 A	200J	60.000 G	10NA 60	50 .500
	2N3114	NS 211	5	MOT,TII,TRW,TEC,FSC	150	150	5.0		.800 A	200J	40.000 G	10NA 100	60 .030
	2N3115	NS 210	18	SPR,MOT,TRW,RAY,HUG	60	20	5.0	.200	.400 A	200J	250.000 G	25NA 50	70 .150
	2N3116	NS 210	18	SPR,MOT,TRW,RAY,TEC,HUG	60	20	5.0	.600	.400 A	200J	250.000 G	25NA 50	200 .150
	2N3117	NS 211	18	TII,RAY,NSC,SOL,SSD,TEC	60	60	6.0	.050	.360 A	200J	60.000 G	10NA 45	400 .001
	2N3118			SEE RF POWER SECTION									
	2N3119	NS 211	5	RCA,HUG	100	80	4.0	.500	1.000 A	200J	250.000 G	50NA 60	90 .100
	2N3120	PS 211	5	RAY,HUG,ITT,FSC	45	45	4.0		.800 A	200J	130.000 G	20NA 45	62 .050
	2N3121	PS 211	18	RAY,HUG,ITT,FSC	45	45	4.0		.360 A	200J	130.000 G	20NA 45	62 .050
	2N3122	NS 211	5	RAY	50	30	5.0		.800 A	200J	60.000 G	10NA 60	50 .300
	2N3123	NS 211	5	TRW	60	30	5.0		3.000 C		400.000 G	10NA 50	170 .150
	2N3127	PG 217	72	MOT	25	20	.7	.050	.100 A	100J	400.000 G	3UA 10	46 .003
	2N3133	PS 210	5	MOT,GIC,RAY,ITT,NSC,SPR	50	35	4.0	.600	.600 A	200J	200.000 G	50NA 30	70 .150
	2N3134	PS 210	5	MOT,GIC,RAY,NSC,SPR,TEC	50	35	4.0	.600	.600 A	200J	200.000 G	50NA 30	170 .150
	2N3135	PS 210	18	MOT,GIC,RAY,ITT,NSC,SPR	50	35	4.0	.600	.400 A	200J	200.000 G	50NA 30	70 .150
	2N3136	PS 210	18	MOT,GIC,ETC,RAY,NSC,SPR	50	35	4.0	.600	.400 A	200J	200.000 G	50NA 30	170 .150
	2N3137	NS 211	39	FSC,SES,MOT,HUG	40	20	4.0		.600 A	200J	500.000 G	50NA 20	70
	2N3139	NS 560	62	HUG	65	65			20.000 C	200J	100.000 G		15 1.000
	2N3140	NS 560	62	HUG	65	65			20.000 C	200J	100.000 G		15 1.000
	2N3141	NS 560	62	HUG	140	140			20.000 C	200J	100.000 G		15 1.000
	2N3142	NS 560	62	HUG	65	65			25.000 C	200J	100.000 G		15 1.000
	2N3143	NS 560	62	HUG	140	140			25.000 C	200J	100.000 G		15 1.000
	2N3144	NS 560	62	HUG	65	65			25.000 C	200J	100.000 G		15 1.000
	2N3145	NS 560	62	HUG	140	140			25.000 C	200J	100.000 G		15 1.000
	2N3146	PG 605	3	TII	150	65	60.0	15.000	150.000 C	100J	.200 G	10MA 150	60
	2N3147	PG 605	3	TII	180	75	80.0	15.000	150.000 C	100J	.200 G	10MA 180	600
	2N3149	NS 561	114	STC,SOL,TEC,SPC,HUG	80	80	10.0	70.000	300.000 C	200J	.100 G	2MA 80	20 50.000
	2N3150	NS 561	114	STC,SOL,TEC,SPC,HUG	100	100	10.0	70.000	300.000 C	200J	.100 G	2MA 100	20 50.000
	2N3151	NS 561	114	STC,SOL,TEC,SPC,HUG	150	150	10.0	70.000	300.000 C	200J	.100 G	2MA 150	20 50.000
	2N3153	NS 211	18	CRY	15	15	15.0	.100	.300 A	200J	30.000 G	10NA 15	3 .001
	2N3154	PG 640 A		KSC	40	25	30.0	3.000	37.500 C	100J	.015 E	10MA 38	105 .500
	2N3155	PG 640 A		KSC	60	40	30.0	3.000	37.500 C	100J	.015 E	10MA 50	105 .500
	2N3156	PG 640 A		KSC	80	55	30.0	3.000	37.500 C	100J	.015 E	10MA 60	105 .500
	2N3157	PG 640 A		KSC	100	65	30.0	3.000	37.500 C	100J	.015 E	10MA 75	105 .500
	2N3158	PG 640 A		KSC	40	25	30.0	3.000	37.500 C	100J	.010 E	10MA 38	48 .500
	2N3159	PG 640 A		KSC	60	40	30.0	3.000	37.500 C	100J	.010 E	10MA 50	48 .500
	2N3160	PG 640 A		KSC	80	55	30.0	3.000	37.500 C	100J	.010 E	10MA 60	48 .500
	2N3161	PG 640 A		KSC	100	65	30.0	3.000	37.500 C	100J	.010 E	10MA 75	48 .500
	2N3163	PS 561	61	STC,SOL	40	40	10.0	3.000	85.000 C	200J	HF AMP	1MA 40	20 1.000
	2N3164	PS 561	61	STC,SOL	60	60	10.0	3.000	85.000 C	200J	HF AMP	1MA 60	20 1.000
	2N3165	PS 561	61	STC,SOL	80	80	10.0	3.000	85.000 C	200J	HF AMP	1MA 80	20 1.000
	2N3166	PS 561	61	STC,SOL	100	100	10.0	3.000	85.000 C	200J	HF AMP	1MA 100	20 1.000
	2N3167	PS 731	53	STC	40	40	10.0	3.000	85.000 C	200J	HF AMP	1MA 40	20 1.000
	2N3168	PS 731	53	STC	60	60	10.0	3.000	85.000 C	200J	HF AMP	1MA 60	20 1.000
	2N3169	PS 731	53	STC	80	80	10.0	3.000	85.000 C	200J	HF AMP	1MA 80	20 1.000
	2N3170	PS 731	53	STC	100	100	10.0	3.000	85.000 C	200J	HF AMP	1MA 100	20 1.000
	2N3171	PS 605	3	STC,SOL	40	40	10.0	3.000	75.000 C	200J	HF AMP	1MA 40	20 1.000
	2N3172	PS 605	3	STC,SOL	60	60	10.0	3.000	75.000 C	200J	HF AMP	1MA 60	20 1.000
	2N3173	PS 605	3	STC,SOL	80	80	10.0	3.000	75.000 C	200J	HF AMP	1MA 80	20 1.000
	2N3174	PS 605	3	STC,SOL	100	100	10.0	3.000	75.000 C	200J	HF AMP	1MA 100	20 1.000
	2N3175	PS 561	61	STC,SOL	40	40	10.0	5.000	85.000 C	200J	HF AMP	1MA 40	16 2.000
	2N3176	PS 561	61	STC,SOL	60	60	10.0	5.000	85.000 C	200J	HF AMP	1MA 60	16 2.000
	2N3177	PS 561	61	STC,SOL	80	80	10.0	5.000	85.000 C	200J	HF AMP	1MA 80	16 2.000
	2N3178	PS 561	61	STC,SOL	100	100	10.0	5.000	85.000 C	200J	HF AMP	1MA 100	16 2.000
	2N3179	PS 731	53	STC	40	40	10.0	5.000	85.000 C	200J	HF AMP	1MA 40	16 2.000
	2N3180	PS 731	53	STC	60	60	10.0	5.000	85.000 C	200J	HF AMP	1MA 60	16 2.000
	2N3181	PS 731	53	STC	80	80	10.0	5.000	85.000 C	200J	HF AMP	1MA 80	16 2.000
	2N3182	PS 731	53	STC	100	100	10.0	5.000	85.000 C	200J	HF AMP	1MA 100	16 2.000
	2N3183	PS 605	3	STC,SOL	40	40	10.0	5.000	75.000 C	200J	HF AMP	1MA 40	16 2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.	Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
	2N3184	PS 605	3	STC,SOL	60	60	10.0	5.000	75.000	C	200J		HF AMP		1MA	60	16	2.000
	2N3185	PS 605	3	STC,SOL	80	80	10.0	5.000	75.000	C	200J		HF AMP		1MA	80	16	2.000
	2N3186	PS 605	3	STC,SOL	100	100	10.0	5.000	75.000	C	200J		HF AMP		1MA	100	16	2.000
	2N3187	PS 561	61	STC,SOL	40	40	10.0	5.000	85.000	C	200J		HF AMP		1MA	40	16	3.000
	2N3188	PS 561	61	STC,SOL	60	60	10.0	5.000	85.000	C	200J		HF AMP		1MA	60	16	3.000
	2N3189	PS 561	61	STC,SOL	80	80	10.0	5.000	85.000	C	200J		HF AMP		1MA	80	16	3.000
	2N3190	PS 561	61	STC,SOL	100	100	10.0	5.000	85.000	C	200J		HF AMP		1MA	100	16	3.000
	2N3191	PS 731	53	STC	40	40	10.0	5.000	85.000	C	200J		HF AMP		1MA	40	16	3.000
	2N3192	PS 731	53	STC	60	60	10.0	5.000	85.000	C	200J		HF AMP		1MA	60	16	3.000
	2N3193	PS 731	53	STC	80	80	10.0	5.000	85.000	C	200J		HF AMP		1MA	80	16	3.000
	2N3194	PS 731	53	STC	100	100	10.0	5.000	85.000	C	200J		HF AMP		1MA	100	16	3.000
	2N3195	PS 605	3	STC,SOL	40	40	10.0	5.000	75.000	C	200J		HF AMP		1MA	40	16	3.000
	2N3196	PS 605	3	STC,SOL	60	60	10.0	5.000	75.000	C	200J		HF AMP		1MA	60	16	3.000
	2N3197	PS 605	3	STC,SOL	80	80	10.0	5.000	75.000	C	200J		HF AMP		1MA	80	16	3.000
	2N3198	PS 605	3	STC,SOL	100	100	10.0	5.000	75.000	C	200J		HF AMP		1MA	100	16	3.000
	2N3199	PS 561	59	STC,CRY	40	40	10.0	2.000	40.000	C	200J		.800	G	75UA	40	35	1.000
	2N3200	PS 561	59	STC,CRY	60	60	10.0	2.000	40.000	C	200J		.800	G	75UA	60	35	1.000
	2N3201	PS 561	59	STC,CRY	80	80	10.0	2.000	40.000	C	200J		.800	G	75UA	80	35	1.000
	2N3202	PS 211	5	STC,CRY,SOL	40	40	10.0	2.000	8.750	C	200J		.800	G	75UA	40	35	1.000
	2N3203	PS 211	5	STC,CRY,SOL	60	60	10.0	2.000	8.750	C	200J		.800	G	75UA	60	35	1.000
	2N3204	PS 211	5	STC,CRY,SOL	80	80	10.0	2.000	8.750	C	200J		.800	G	75UA	80	35	1.000
	2N3205	PS 561	59	STC,CRY	40	40	10.0	2.000	40.000	C	200J		.800	G	75UA	40	35	.500
	2N3206	PS 561	59	STC,CRY	60	60	10.0	2.000	40.000	C	200J		.800	G	75UA	60	35	.500
	2N3207	PS 561	59	STC,CRY	100	100	10.0	2.000	40.000	C	200J		.800	G	75UA	100	35	.500
	2N3208	PS 211	5	STC,CRY	40	40	10.0	2.000	8.750	C	200J		.800	G	75UA	40	35	.500
	2N3209	PS 211	18	RAY,ITT,FSC	20	20	4.0		.360	A	200J		400.000	G			60	.030
	2N3210	NS 211	18	RAY,MOT	40	15	5.0		.360	A	200J		400.000	G			60	.010
	2N3211	NS 210	18	MOT	40	15	6.0	.500	.360	A	200J		350.000	G	25NA	20	88	.010
	2N3212	PG 631	37	DEL		100X	2.0	5.000					.600	G	1MA	100	52	3.000
	2N3213	PG 631	37	DEL		80X	2.0	5.000					.600	G	1MA	80	52	3.000
	2N3214	PG 631	37	DEL		60X	2.0	5.000					.600	G	1MA	60	52	3.000
	2N3215	PG 631	37	DEL		40X	2.0	5.000					.600	G	1MA	40	50	3.000
	2N3217	PS 211	46	RAY,SPR,NSC,SOL,SSD,HUG	15	10	15.0	.100	.400	A	200J		1.000	G	1NA	15	60	.001
	2N3218	PS 211	46	RAY,SPR,NSC,SOL,SSD,HUG	25	20	25.0	.100	.400	A	200J		1.000	G	1NA	25	60	.001
	2N3219	PS 211	46	RAY,SPR,NSC,SOL,SSD,HUG	40	35	40.0	.100	.400	A	200J		1.000	G	1NA	40	40	.001
	2N3224	PS 211	5	HUG	100	100			.700	A	200J		60.000	G			70	.050
	2N3225	PS 211	5	HUG	100	100			.700	A	200J		80.000	G			80	.020
	2N3226	NS 605	3	SOL,ETC	35	35		5.000	75.000	C	200J		.020	E	2MA	35	32	2.000
	2N3227	NS 210	18	MOT,RAY	40	20	6.0	.500	.360	A	200J		500.000	G	200NA	20	180	.010
	2N3229			SEE RF POWER SECTION														
	2N3232	NS 605	3	SCL,WHE,MOT,SEN	60	60	6.0	7.500	117.000	C	200J		1.000	G	5MA	80	84	3.000
	2N3233	NS 605	3	WHE,SEN	100	100	6.0	7.500	117.000	C	200J		1.000	G	5MA	110	84	3.000
	2N3234	NS 605	3	WHE,SEN	160	160	6.0	7.500	117.000	C	200J		1.000	G	5MA	160	84	3.000
	2N3235	NS 605	3	MOT,SEN	55	55	7.0	15.000	117.000	C	200J		HF AMP		5MA	65	46	
	2N3236	NS 605	3	WHE,SOL	100	90	7.0	15.000	150.000	C	200J		HF AMP		5MA	90	40	
	2N3237	NS 605	3	WHE,SOL	90	75	7.0	20.000	200.000	C	200J		HF AMP		5MA	75	24	
	2N3238	NS 605	3	WHE,SOL	80	80	8.0	15.000	150.000	C	200J		HF AMP		5MA	80	16	
	2N3239	NS 605	3	WHE,SOL	80	80	8.0	15.000	150.000	C	200J		HF AMP		5MA	80	16	
	2N3240	NS 605	3	WHE,SOL	160	160R	8.0	15.000	150.000	C	200A		HF AMP		5MA	160	16	
	2N3241A	NS 211	104	RCA	30	25	7.5		.500	A	175J		175.000	G	100NA	25	150	.010
	2N3242A	NS 211	104	RCA	40	40	8.0		.500	A	175J		175.000	G	10NA	25	200	.010
	2N3244	PS 211	5	RAY,MOT,TII,HUG	40	40	5.0	1.000	1.000	A	200J		175.000	G	50NA	30	90	.500
	2N3245	PS 211	5	RAY,MOT,TII,HUG	50	50	5.0	1.000	1.000	A	200J		150.000	G	50NA	50	50	.500
	2N3248	PS 210	18	MOT,TEC,HUG	15	12	5.0		.360	A	200J		250.000	G	50NA	10	80	.010
	2N3249	PS 210	18	MOT,TEC,HUG	15	12	5.0		.360	A	200J		300.000	G	50NA	10	180	.010
	2N3250	PS 211	18	MOT,RAY,FSC,TII,ITT,TEC	50	40	5.0	.200	.360	A	200J		250.000	G	20NA	40	90	.010
	2N3250A	PS 211	18	MOT,RAY,TII,TEC,HUG,FSC	60	60	5.0	.200	.360	A	200J		250.000	G	20NA	40	90	.010
	2N3251	PS 211	18	MOT,RAY,FSC,TII,ITT,TEC	50	40	5.0	.200	.360	A	200J		300.000	G	20NA	40	200	.010
	2N3251A	PS 211	18	MOT,RAY,TII,TEC,HUG,FSC	60	60	5.0	.200	.360	A	200J		300.000	G	20NA	40	200	.010
	2N3252	NS 211	5	FSC,TII,RAY,MOT,ITT,TEC	60	30	5.0	1.000	1.000	A	200J		200.000	G	500NA	40	50	.500
	2N3253	NS 211	5	FSC,TII,RAY,MOT,ITT,TEC	75	40	5.0	1.000	1.000	A	200J		175.000	G	500NA	60	40	.375
	2N3261	NS 211	52	RCA	40	15	6.0	.500	.300	A	175J		300.000	G	25NA	15	50	.100
	2N3262	NS 211	39	RCA	100	80	4.0	1.500	1.000	A	175J		150.000	G	100NA	30	80	.500
	2N3263	NS 913 A		RCA	150	90	7.0	25.000	84.000	C	200J		20.000	G	4MA	80	44	15.000
	2N3264	NS 913 A		RCA	120	60	7.0	25.000	84.000	C	200J		20.000	G	10MA	60	40	15.000
	2N3265	NS 561	63	RCA,SOL	150	90	7.0	25.000	125.000	C	200J		20.000	G	4MA	80	44	15.000
	2N3266	NS 561	63	RCA,SOL	120	60	7.0	25.000	125.000	C	200J		20.000	G	10MA	60	40	15.000
	2N3268	NS 210	5	TRW	45	45	1.0		2.500	C			12.500	G	500NA	30	32	.010
	2N3279	PG 217	72	MOT	30	20	1.0	.050	.100	A	100J		400.000	G	5UA	10	30	.003
	2N3280	PG 217	72	MOT	30	20	1.0	.050	.100	A	100J		400.000	G	5UA	10	30	.003
	2N3281	PG 217	72	MOT	30	15	.5	.050	.100	A	100J		300.000	G	5UA	10	40	.003
	2N3282	PG 217	72	MOT	30	15	.5	.050	.100	A	100J		300.000	G	5UA	10	40	.003
	2N3283	PG 217	72	MOT	25	25S	.5	.050	.100	A	100J		400.000	G	10UA	10	30	.003
	2N3284	PG 217	72	MOT	25	25S	.5	.050	.100	A	100J		400.000	G	10UA	10	30	.003
	2N3285	PG 217	72	MOT	20	20S	.5	.050	.100	A	100J		400.000	G	10UA	10	15	.003
	2N3286	PG 217	72	MOT	20	20S	.5	.050	.100	A	100J		400.000	G	10UA	10	15	.003
	2N3287	NS 217	72	MOT	40	20	3.0	.050	.200	A	200J		350.000	G	10NA	15	40	.002
	2N3288	NS 217	72	MOT	40	20	3.0	.050	.200	A	200J		350.000	G	10NA	15	40	.002
	2N3289	NS 217	72	MOT	30	15	3.0	.050	.200	A	200J		300.000	G	10NA	15	40	.002
	2N3290	NS 217	72	MOT	30	15	3.0	.050	.200	A	200J		300.000	G	10NA	15	40	.002
	2N3291	NS 217	72	MOT	25	25S	3.0	.050	.200	A	200J		250.000	G	100NA	10	20	.002
	2N3292	NS 217	72	MOT	25	25S	3.0	.050	.200	A	200J		250.000	G	100NA	10	20	.002
	2N3293	NS 217	72	MOT	20	20S	3.0	.050	.200	A	200J		250.000	G	100NA	10	20	.002
	2N3294	NS 217	72	MOT	20	20S	3.0	.050	.200	A	200J		250.000	G	100NA	10	20	.002
	2N3295	NS 210	5	MOT	60	60S	5.0	.250	.800	A	175J		200.000	G	100NA	50	36	.010
	2N3296	NS 546	102	MOT	60	60S	3.0	.700	6.000	C	175J		100.000	G	100NA	50	18	.040
	2N3297	NS 605	3	MOT	60	60S	3.0	1.500	25.000	C	175J		100.000	G	1UA	50	21	.400
	2N3298	NS 210	18	MOT,TRW	25	25S	3.0	.100	.300	A	175J		200.000	G	500NA	10	90	.010
	2N3299	NS 211	5	FSC,ITT,RAY,NSC,MOT,HUG	60	30	5.0		.800	A	200J		250.000	G	10NA	50	76	.150
	2N3300	NS 211	5	FSC,ITT,RAY,NSC,MOT,HUG	60	30	5.0		.800	A	200J		250.000	G	10NA	50	220	.150
	2N3301	NS 211	18	FSC,ITT,RAY,NSC,MOT,HUG	60	30	5.0		.360	A	200J		250.000	G	10NA	50	76	.150
	2N3302	NS 211	18	FSC,ITT,RAY,NSC,MOT,HUG	60	30	5.0		.360	A	200J		250.000	G	10NA	50	220	.150
	2N3303	NS 211	5	MOT,ITT,TEC,FSC	25	12	4.0	1.000	.600	A	200J		450.000	G	100UA	15	60	.300
	2N3304	PS 211	18	MOT,FSC,TIL	6	6	4.0		.300	A	200J		500.000	G	10NA	3	60	.010
	2N3307	PS 217	72	MOT	40	35	3.0	.050	.200	A	200J		300.000	G	10UA	15	100	.002
	2N3308	PS 217	72	MOT	30	25	3.0	.050	.200	A	200J		300.000	G	10UA	15	90	.002
	2N3309	NS 210	5	MOT	50	50S	3.0	.500	1.000	A	175J		300.000	G	500NA	25	30	.030
	2N3311	PG 405	36	MOT,ETC,HUG	30	20	20.0	5.000	170.000	C	110J		.001	E	5MA	30	90	3.000
	2N3312	PG 405	36	MOT,ETC,HUG	45	30	25.0	5.000	170.000	C	110J		.001	E	5MA	45	90	3.000
	2N3313	PG 405	36	MOT,ETC,HUG	60	40	30.0	5.000	170.000	C	110J		.001	E	5MA	60	90	3.000
	2N3314	PG 405	36	MOT,ETC,HUG	30	20	20.0	5.000	170.000	C	110J		.001	E	5MA	30	150	3.000
	2N3315	PG 405	36	MOT,ETC,HUG	45	30	25.0	5.000	170.000	C	110J		.001	E	5MA	45	150	3.000
	2N3316	PG 405	36	MOT,ETC,HUG	60	40	30.0	5.000	170.000	C	110J		.001	E	5MA	60	150	3.000
	2N3317	PS 170 J		SPR,HUG	30	30	30.0	.050	.150	A	140A		6.400	G	1NA	10		
	2N3318	PS 170 J		SPR,HUG	15	15	15.0	.050	.150	A	140A		7.600	G	1NA	10		
	2N3319	PS 170 J		SPR,HUG	10	6	10.0	.050	.150	A	140A		12.000	G	3NA	6		
	2N3320	PG 210	18	HUG	15	10	2.0	.100	.075	A	100A		600.000	G	5NA	10	80	.020
	2N3321	PG 210	18	HUG	12	7	2.0	.100	.075	A	100A		600.000	G	5NA	6	140	.020
	2N3322	PG 210	18	HUG	12	7	2.0	.100	.075	A	100A		600.000	G	5NA	6	54	.020
	2N3323	PG 210	18	MOT	35	35S	3.0	.100	.150	A	100J		200.000	G	10UA	10	80	.003
	2N3324	PG 210	18	MOT	35	35S	3.0	.100	.150	A	100J		200.000	G	10UA	10	80	.003
	2N3325	PG 210	18	MOT	35	35S	3.0	.100	.150	A	100J		200.000	G	10UA	10	80	.003
	2N3326	NS 211	5	TRW,RAY,HUG	60	45	5.0		.800	A	200J		500.000	G	10NA	50	70	.150
	2N3337	NS 217	72	FSC	40	40	4.0		.300	A	200J		400.000	G	25NA	20	45	.004
	2N3338	NS 217	72	FSC	40	40	4.0		.300	A	200J		400.000	G	25NA	20	45	.004
	2N3339	NS 217	72	FSC	40	40	4.0		.300	A	200J		400.000	G	25NA	20	45	.004
	2N3340	NS 211	46	SOL,SSD,HUG	30	20	5.0	.030	.400	A	175J		70.000	G	1NA	24	60	.001
	2N3341	PS 211	46	SOL,SSD,HUG	30	20	5.0	.030	.400	A	175J		50.000	G	10NA	24	60	.001
	2N3342	PS 210	5	SOL,SSD,HUG	20	8	20.0	.050	.250	A	175J		2.000	B	20NA		60	.005
	2N3343	PS 210	5	SOL,HUG	25	8	20.0	.050	.250	A	175J		2.000	B	3NA	6	30	.001
	2N3344	PS 210	5	SOL,SSD,HUG	30	30	25.0	.050	.250	A	175J		2.000	G	2NA	25	38	.001
	2N3345	PS 210	5	SOL,SSD,HUG	50	50	50.0	.050	.250	A	175J		2.000	G	5NA	30	23	.001
	2N3346	PS 210	5	SOL,SSD,HUG	50	50	50.0	.050	.250	A	175J		2.000	G	5NA	40	38	.001
	2N3371	PG 211	18	TII	25	10	.3	.100	.150	A	100A		300.000	G	7UA	6	100	.012
	2N3375			SEE RF POWER SECTION														
	2N3388	NS 211	5	RAY,STC	125	100	6.0	.002	.600	A	175A		36.000	G	2UA	110	90	.002
	2N3389	NS 211	5	STC	195	160	6.0	.007	.600	A	175A		36.000	G	2UA	180	90	.007
	2N3390	NS 45	98	GEC,SES	25	25	5.0	.100	.200	A	100J		AUD		100NA	18	600	
	2N3391	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		90.000	G	100NA	25	375	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ I_C(A)	
	2N3391A	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		90.000	G	100NA 25	375		
	2N3392	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		80.000	G	100NA 25	225		
	2N3393	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		80.000	G	100NA 25	135		
	2N3394	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.100	.200	A	100J		80.000	G	100NA 25	82		
	2N3395-WHT	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.200	A	100J		AUD		100NA 18	375		
	2N3395-YEL	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.200	A	100J		AUD		100NA 18	225		
	2N3396-ORG	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	135		
	2N3396-WHT	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	375		
	2N3396-YEL	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	225		
	2N3397-ORG	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	135		
	2N3397-RED	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	82		
	2N3397-WHT	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	375		
	2N3397-YEL	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	225		
	2N3398-BLU	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	600		
	2N3398-ORG	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	135		
	2N3398-RED	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	82		
	2N3398-WHT	NS 45	98	GEC,SPR,SES	25	25	5.0	.100	.135	A	100J		AUD		100NA 18	375		
	2N3399	PG 217	72	AMP	20		.3	.007	.080	A	90J		300.000	G	8UA 20	40		
	2N3401	PS 210	5	SOL	25	25	25.0	.100	.250	A	150J		.100	B	100NA 20	30	.001	
	2N3402	NS 45 B		GEC,SES,SPR,HUG	25	25	5.0	.500	.560	A	150J		MS SW		100NA 25	150		
	2N3403	NS 45 B		GEC,SES,SPR,HUG	25	25	5.0	.500	.560	A	150J		MS SW		100NA 25	360		
	2N3404	NS 45 B		GEC,SES,SPR,HUG	50	50	5.0	.500	.560	A	150J		MS SW		100NA 50	150		
	2N3405	NS 45 B		GEC,SES,SPR,HUG	50	50	5.0	.500	.560	A	150J		MS SW		100NA 50	360		
	2N3412	PG 210	5	ETC,HUG	20	20S	2.0	.100	.060	A	100J		100.000	G	3UA 5	80	.010	
	2N3414	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.500	.360	A	150J		MS SW		100NA 25	150		
	2N3415	NS 45	98	GEC,SPR,SES,HUG	25	25	5.0	.500	.360	A	150J		MS SW		100NA 25	360		
	2N3416	NS 45	98	GEC,SPR,SES,HUG	50	50	5.0	.500	.360	A	150J		MS SW		100NA 50	150		
	2N3417	NS 45	98	GEC,SPR,SES,HUG	50	50	5.0	.500	.360	A	150J		MS SW		100NA 50	360		
	2N3418	NS 211	5	TII,TEC,TIL,HUG	85	60	8.0	3.000	.800	A	125C		40.300	G	30NA 80	40		
	2N3419	NS 211	5	TII,TIL,TEC,HUG	125	80	8.0	3.000	.800	A	125C		40.000	G	30NA 120	40		
	2N3420	NS 211	5	TII,TIL,TEC,HUG	85	60	8.0	3.000	.800	A	125C		40.000	G	30NA 80	80		
	2N3421	NS 211	5	TII,TIL,TEC,HUG	125	80	8.0	3.000	.800	A	125C		40.000	G	30NA 120	80		
	2N3426	NS 211 K		FSC,ITT	25	12	4.0	1.000	.600	A	200J		200.000	G	100UA 15	60	.300	
	2N3427	PG 210	5	MOT	45	30R	30.0	.500	.200	A	100J		4.000	B	50UA 45	210	.100	
	2N3428	PG 210	5	MOT,HUG	45	30R	30.0	.500	.200	A	100J		5.000	B	50UA 45	260	.100	
	2N3429	NS 560 M		WHE,SEN		50	25.0	7.500	150.000	H	175J		.250	G	2MA 50	20	5.000	
	2N3430	NS 560 M		WHE,SEN		100	25.0	7.500	150.000	H	175J		.250	G	2MA 50	20	5.000	
	2N3431	NS 560 M		WHE,SEN		150	25.0	7.500	150.000	H	175J		.250	G	2MA 150	20	5.000	
	2N3432	NS 560 M		WHE,SEN		200	25.0	7.500	150.000	H	175J		.250	G	2MA 200	20	5.000	
	2N3433	NS 560 M		WHE,SEN		250	25.0	7.500	150.000	H	175J		.250	G	2MA 250	20	5.000	
	2N3439	NS 211	5	RCA,MOT,HUG	450	350	7.0	1.000	10.000	C	200J		15.000	G	20UA 300	80	.020	
	2N3440	NS 211	5	RCA,MOT,HUG	300	250	7.0	1.000	10.000	C	200J		15.000	G	50UA 200	80	.020	
	2N3441	NS 605	66	STC,RCA,TEC,WHE,HUG	160	140	7.0	3.000	25.000	C	200J		150.000	G	5MA 140	50	.500	
	2N3442	NS 605	3	RCA,WHE,STC,HUG,SEN,KER	160	140	7.0	10.000	117.000	C	200J		AUD		1MA 140	38	2.000	
	2N3444	NS 211	5	TII,FSC,ITT,RAY,TEC,MOT	80	50	5.0	1.000	1.000	A	200J		150.000	G	500NA 60	34	.500	
	2N3445	NS 605	3	MOT,SEN,SOL	80	60	6.0	7.500	115.000	C	200J		10.000	G	100UA 60	40	3.000	
	2N3446	NS 605	3	MOT,SEN,SOL	100	80	10.0	7.500	115.000	C	200J		10.000	G	100UA 80	40	3.000	
	2N3447	NS 605	3	MOT,SEN,SOL	80	60	6.0	7.500	115.000	C	200J		10.000	G	100UA 60	75	5.000	
	2N3448	NS 605	3	MOT,SEN,SOL	100	80	10.0	7.500	115.000	C	200J		10.000	G	100UA 80	75	5.000	
	2N3461	PG 211	5	BEN	60	30	1.5	3.000	5.000	C	110C		.010	F	3MA 60	128	.500	
	2N3467	NS 211	5	RAY,MOT,FSC,TII,HUG,ITT	40	40	5.0	1.000	1.000	A	200J		175.000	G	100NA 30	70	.500	
	2N3468	NS 211	5	TII,MOT,FSC,RAY,ITT	50	50	5.0	1.000	1.000	A	200J		150.000	G	100NA 30	40	.500	
	2N3469	NS 211	5	HUG	35	25	8.0		4.000	H	200J		70.000	G	100NA 35	200	1.000	
	2N3470	NS 561 F		WHE,SEN	50	50	15.0	10.000	150.000	H	150J		.500	G	200UA 50	360	10.000	
	2N3471	NS 561 F		WHE,SEN	100	100	15.0	10.000	150.000	H	150J		.500	G	200UA 100	360	10.000	
	2N3472	NS 561 F		WHE,SEN	150	150	15.0	10.000	150.000	H	150J		.500	G	200UA 150	360	10.000	
	2N3473	NS 561 F		WHE,SEN	200	200	15.0	10.000	150.000	H	150J		.500	G	200UA 200	360	10.000	
	2N3474	NS 561 F		WHE,SEN	50	50	15.0	10.000	150.000	H	150J		.500	G	200UA 50	500	10.000	
	2N3475	NS 561 F		WHE,SEN	100	100	15.0	10.000	150.000	H	150J		.500	G	200UA 100	500	10.000	
	2N3476	NS 561 F		WHE,SEN	150	150	15.0	10.000	150.000	H	150J		.500	G	200UA 150	500	10.000	
	2N3477	NS 561 F		WHE,SEN	200	200	15.0	10.000	150.000	H	150J		.500	G	200UA 200	500	10.000	
	2N3478	NS 193	104	RCA	30	15	2.0		.200	A	200J		750.000	G	20NA 1	90	.002	
	2N3485	PS 211	46	FSC,TII,MOT,RAY,HUG	60	40	5.0	.600	.360	A	200J		200.000	G	20NA 50	70	.150	
	2N3485A	PS 211	46	FSC,TII,MOT,RAY,HUG	60	60	5.0	.600	.360	A	200J		200.000	G	10NA 50	70	.150	
	2N3486	PS 211	46	FSC,TII,MOT,RAY,HUG	60	60	5.0	.600	.360	A	200J		200.000	G	20NA 50	160	.150	
	2N3486A	PS 211	46	FSC,TII,MOT,RAY,HUG	60	60	5.0	.600	.360	A	200J		200.000	G	10NA 50	160	.150	
	2N3487	NS 561	61	MOT,SEN	80	60	10.0	7.500	15.000	C	200C		10.000	G	100UA 80	35	3.000	
	2N3488	NS 561	61	MOT,SEN	100	80	10.0	7.500	115.000	C	200C		10.000	G	100UA 100	35	3.000	
	2N3489	NS 561	61	MOT,SEN	120	100	10.0	7.500	115.000	C	200C		10.000	G	100UA 120	26	3.000	
	2N3490	NS 561	61	MOT,SEN	80	60	10.0	7.500	115.000	C	200C		10.000	G	100UA 80	70	5.000	
	2N3491	NS 561	61	MOT,SEN	100	80	10.0	7.500	115.000	C	200C		10.000	G	100UA 100	70	5.000	
	2N3492	NS 561	61	MOT,SEN	120	100	10.0	7.500	115.000	C	200C		10.000	G	100UA 120	52	5.000	
	2N3493	NS 217	72	MOT	12	8	5.0		.150	A	200J		400.000	G	5NA 6	70	.001	
	2N3494	PS 210	5	MOT,TII,TEC,HUG	80	80	4.5	.100	.600	A	200J		200.000	G	100NA 50	80	.010	
	2N3495	PS 210	5	MOT,TII,TEC	120	120	4.5	.100	.600	A	200J		150.000	G	100NA 90	80	.010	
	2N3496	PS 210	18	MOT,TII,TEC	80	80	4.5	.100	.400	A	200J		200.000	G	100NA 50	80	.010	
	2N3497	PS 210	18	MOT,TII,TEC	120	120	4.5	.100	.400	A	200J		150.000	G	100NA 90	80	.010	
	2N3498	NS 210	5	MOT,TRW,TEC,HUG	100	100	6.0	.500	1.000	A	200J		150.000	G	50NA 50	70	.150	
	2N3499	NS 210	5	MOT,TRW,TEC,HUG	100	100	6.0	.500	1.000	A	200J		150.000	G	50NA 50	180	.150	
	2N3500	NS 210	5	MOT,TEC	150	150	6.0	.300	1.000	A	200J		150.000	G	50NA 75	70	.150	
	2N3501	NS 210	5	MOT,TEC	150	150	6.0	.300	1.000	A	200J		150.000	G	50NA 75	180	.150	
	2N3502	PS 211	5	FSC,TII,RAY,ITT,NSC,TEC	45	45	5.0	.600	.700	A	200J		200.000	G	10NA 30	150	.150	
	2N3503	PS 211	5	FSC,TII,RAY,ITT,NSC,TEC	60	60	5.0	.600	.700	A	200J		200.000	G	10NA 50	150	.150	
	2N3504	PS 211	18	FSC,TII,RAY,ITT,NSC,TEC	45	45	5.0	.600	.400	A	200J		200.000	G	10NA 30	150	.150	
	2N3505	PS 211	18	FSC,TII,RAY,ITT,NSC,TEC	60	60	5.0	.600	.400	A	200J		200.000	G	10NA 50	150	.150	
	2N3506	NS 210	5	MOT,HUG	60	40	5.0	3.000	1.000	A	200J		60.000	G	1UA 40	90	1.500	
	2N3507	NS 210	5	MOT,HUG	80	50	5.0	3.000	1.000	A	200J		60.000	G	1UA 60	68	1.500	
	2N3508	NS 210	46	MOT	40	20	6.0	.500	.400	A	200J		50.000	G	200NA 20	70	.010	
	2N3509	NS 210	46	MOT	40	20	6.0	.500	.400	A	200J		50.000	G	200NA 20	180	.010	
	2N3510	NS 210	52	MOT,ITT	40	20	6.0	.500	.360	A	200J		350.000	G	25NA 10	60	.150	
	2N3511	NS 210	46	MOT,ITT	40	15	6.0	.500	.360	A	200J		450.000	G	25NA 10	68	.150	
	2N3512	NS 211	5	RCA	60	35	5.0		.800	A	200J		250.000	G	500NA 30	20		
	2N3527	PS 211	46	CRY	30	30	10.0	.100	.400	A	200J		5.000	G	100PA 20	150	.001	
	2N3543			SEE RF POWER SECTION														
	2N3544	NS 210	18	MOT	25	25S	3.0	.100	.300	A	175J		600.000	G	100NA 15	50	.010	
	2N3545	PS 211	18	RAY	20	20	5.0		.360	A	200J		250.000	G		70	.010	
	2N3546	PS 210	18	MOT,RAY	15	12	4.5		.360	A	200J		700.000	G	10NA 10	60	.010	
	2N3547	PS 211	18	NSC	60	60	6.0	.100	.400	A	200J		45.000	G	25NA 45	225	.001	
	2N3548	PS 211	18	NSC	60	45	6.0	.100	.400	A	200J		60.000	G	10NA 45	300	.010	
	2N3549	PS 211	18	NSC	60	60	6.0	.100	.400	A	200J		60.000	G	10NA 45	400	.010	
	2N3550	PS 211	18	NSC	60	45	6.0	.100	.400	A	200J		60.000	G	1NA 45	500	.010	
	2N3551	NS 911 A		TII	115	60	7.0	12.000	1.200	A	175J		40.000	G	10MA 110	44		
	2N3552	NS 911 A		TII	140	80	7.0	12.000	1.200	A	175J		40.000	G	10MA 135	44		
	2N3553			SEE RF POWER SECTION														
	2N3554	NS 211	5	TII,RAY	60	30	5.0	1.200	.800	A	200J		150.000	G	500NA 40	50	.750	
	2N3563	NS 173	106	FSC,NSC,GIC,TEC,HUG	30	12	2.0		.200	A	125J		600.000	G	50NA 30	70	.008	
	2N3564	NS 173	106	FSC,NSC,GIC,HUG	30	15	4.0		.200	A	125J		400.000	G	100UA 30	70	.015	
	2N3565	NS 173	106	FSC,NSC,GIC,TEC,PHF,HUG	30	25	6.0		.200	A	125J		40.000	G	50NA 30	300	.001	
	2N3566	NS 173	105	FSC,NSC,PHF,HUG	40	30	5.0		.300	A	125J		40.000	G	50NA 40	300	.010	
	2N3567	NS 173	105	FSC,NSC,HUG	80	40	5.0	.500	.300	A	125J		60.000	G	50UA 40	70	.120	
	2N3568	NS 173	105	FSC,HUG	80	60	5.0	.500	.300	A	125J		60.000	G	50UA 40	70	.120	
	2N3569	NS 173	105	NSC,FSC,HUG	80	40	5.0	.500	.300	A	125J		60.000	G	50UA 40	175	.300	
	2N3570	NS 217	72	TII,TIL	30	15	3.0	.050	.200	A	200J		1500.000	G	10NA 6	58	.005	
	2N3571	NS 217	72	TII,TIL	25	15	3.0	.050	.200	A	200J		1200.000	G	10NA 6	70	.005	
	2N3572	NS 217	72	TII,TIL	25	13	3.0	.050	.200	A	200J		1000.000	G	10NA 6	95	.005	
	2N3576	PS 211	18	TII,RAY,TIL	20	20	5.0	.200	.360	A	175J		400.000	G	10NA 15	70	.010	
	2N3579	PS 211	46	SOL,SSD,HUG	80	60	6.0	.030	.400	A	200J		80.000	G	50NA 40	60	.001	
	2N3580	PS 211	46	SOL,SSD,HUG	80	60	6.0	.030	.400	A	200J		80.000	G	50NA 40	120	.001	
	2N3581	PS 211	46	SOL,SSD,HUG	50	40	6.0	.030	.400	A	200J		100.000	G	20NA 30	100	.001	
	2N3582	PS 211	46	SOL,SSD,HUG	50	40	6.0	.030	.400	A	200J		100.000	G	20NA 30	200	.001	
	2N3583	NS 605	66	RCA	250	175	6.0	5.000	35.000	C	200J		100.000	G	1MA 225	80	.100	
	2N3584	NS 605	66	RCA	375	250	6.0	5.000	35.000	C	200J		100.000	G	1MA 300	80	.100	
	2N3585	NS 605	66	RCA	500	300	6.0	5.000	35.000	C	200J		100.000	G	1MA 400	80	.100	
	2N3588	PG 218 E		AMP	25		.3	.010	.100	A	85J		270.000	G	5UA 12	66	.003	
	2N3589	NS 635 B		GEC	200	200R	10.0		15.000	C	175J		15.000	G	1UA 100	50	.200	
	2N3590	NS 635 B		GEC	200	200	10.0		15.000	C	175J		15.000	G	1UA 100	100	.200	
	2N3591	NS 676 A		GEC	200	200	10.0		15.000	C	175J		15.000	G	1UA 100	50	.200	
	2N3592	NS 676 A		GEC	200	200	10.0		15.000	C	175J		15.000	G	1UA 100	100	.200	
	2N3593	NS 530 B		GEC	200	200	10.0		7.000	C	175J		15.000	G	1UA 100	50	.200	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}	h_{FE} @ I_C(A)	
-	2N3594	NS 530 B		GEC	200	200	10.0		7.000	C	175J		15.000	G	1UA 100	100 .200
-	2N3595	NS 530 A		GEC	200	200	10.0		15.000	C	175J		15.000	G	1UA 100	50 .200
-	2N3596	NS 530 A		GEC	200	200R	10.0		15.000	C	175J		15.000	G	1UA 100	100 .200
	2N3597	NS 561	63	SOL,TEC,HUG	60	40	8.0	20.000	100.000	H	200J		30.000	G	100NA 30	70 10.000
	2N3598	NS 561	63	SOL,TEC,HUG	80	60	8.0	20.000	100.000	H	200J		30.000	G	100NA 30	70 10.000
	2N3599	NS 561	63	SOL,TEC,HUG	100	80	8.0	20.000	100.000	H	200J		30.000	G	100NA 30	70 10.000
	2N3600	NS 217	72	RCA,AMP	30	15	3.0		.200	A	200J		850.000	G	10NA 15	80 .003
	2N3605	NS 45	98	GEC,SES	18	14	5.0	.200	.200	A	100J		300.000	G	500NA 18	65 .010
	2N3605A	NS 45	98	GEC	40	15	5.0	.200	.330	A	125J		300.000	G	25NA 20	60 .010
	2N3606	NS 45	98	GEC,SES	18	14	5.0	.200	.200	A	100J		300.000	G	500NA 18	65 .010
	2N3606A	NS 45	98	GEC	40	15	5.0	.200	.330	A	125J		300.000	G	25NA 20	60 .010
	2N3607	NS 45	98	GEC,SES	18	14	5.0	.200	.200	A	100J		300.000	G	500NA 18	65 .010
	2N3611	PG 605	3	MOT,SOL,ETC,HUG	40	25	20.0	7.000	85.000	C	110J		.300	G	5MA 40	50 3.000
	2N3612	PG 605	3	MOT,SOL,ETC,HUG	60	35	30.0	7.000	85.000	C	110J		.300	G	5MA 60	50 3.000
	2N3613	PG 605	3	MOT,SOL,ETC,HUG	40	25	20.0	7.000	85.000	C	110J		.300	G	5MA 40	80 3.000
	2N3614	PG 605	3	MOT,SOL,ETC,HUG	60	35	30.0	7.000	85.000	C	110J		.300	G	5MA 60	80 3.000
	2N3615	PG 605	3	MOT,SOL,ETC,HUG	80	50	40.0	7.000	85.000	C	110J		.300	G	5MA 80	40 3.000
	2N3616	PG 605	3	MOT,SOL,ETC,HUG	100	60	50.0	7.000	85.000	C	110J		.300	G	5MA 100	40 3.000
	2N3617	PG 605	3	MOT,SOL,ETC,HUG	80	50	40.0	7.000	85.000	C	110J		.300	G	5MA 80	60 3.000
	2N3618	PG 605	3	MOT,SOL,ETC,HUG	100	60	50.0	7.000	85.000	C	110J		.300	G	5MA 100	60 3.000
-	2N3619	NS 210	5	BEN	75	40	4.0	2.500	7.500	C	175J		200.000	G	25UA 15	80 1.000
	2N3620	NS 540 B		SOL	75	40	4.0	5.000	7.500	C	175J		200.000	G	25UA 15	80 1.000
	2N3621	NS 560	61	SOL	75	40	4.0	10.000	15.000	C	175J		200.000	G	25UA 15	80 1.000
	2N3622	NS 561	61	SOL	75	40	4.0	10.000	15.000	C	175J		200.000	G	25UA 15	80 1.000
-	2N3623	NS 210	5	BEN	75	40	4.0	2.500	7.500	C	175J		200.000	G	1UA 15	80 1.000
	2N3624	NS 540 B		SOL	75	40	4.0	5.000	7.500	C	175J		200.000	G	1UA 15	80 1.000
	2N3625	NS 560	61	SOL	75	40	4.0	10.000	15.000	C	175J		200.000	G	1UA 15	80 1.000
	2N3626	NS 561	61	SOL	75	40	4.0	10.000	15.000	C	175J		200.000	G	1UA 15	80 1.000
-	2N3627	NS 210	5	BEN	100	50	4.0	2.500	7.500	C	175J		200.000	G	1UA 30	80 1.000
-	2N3628	NS 540 B		BEN	100	50	4.0	5.000	7.500	C	175J		200.000	G	1UA 30	80 1.000
	2N3629	NS 560	61	SOL	100	50	4.0	10.000	20.000	C	175J		200.000	G	1UA 30	80 1.000
	2N3630	NS 561	61	SOL	100	50	4.0	10.000	20.000	C	175J		200.000	G	1UA 30	80 1.000
	2N3632			SEE RF POWER SECTION												
	2N3633	NS 211	18	TEC,HUG	15	60	4.0	.050	.300	A	200J		1300.000	G	5NA 5	88 .010
	2N3634	PS 211	5	MOT,TEC	140	140	5.0	1.000	1.000	A	200J		150.000	G	100NA 100	86 .050
	2N3635	PS 211	5	MOT,TEC	140	140	5.0	1.000	1.000	A	200J		200.000	G	100NA 100	130 .050
	2N3636	PS 211	5	MOT,TEC	175	175	5.0	1.000	1.000	A	200J		150.000	G	100NA 100	86 .050
	2N3637	PS 211	5	MOT,TEC	175	175	5.0	1.000	1.000	A	200J		200.000	G	100NA 100	130 .050
	2N3638	PS 170 G		FSC,GIC,NSC,HUG	25	25	4.0	.500	.300	A	125J		100.000	G	35NA 15	67 .050
	2N3638A	PS 170 G		FSC,NSC,HUG	25	25	4.0	.500	.300	A	125J		150.000	G	35NA 15	130 .050
	2N3639	PS 170 F		HUG,FSC	12	12	4.0		.200	A	125J		350.000	G	50NA 3	60
	2N3640	PS 170 F		HUG,FSC	12	12	4.0		.200	A	125J		400.000	G	50NA 6	60
	2N3641	NS 170 G		FSC,NSC,HUG	60	30	5.0		.500	A	125J		150.000	G	50NA 50	70
	2N3642	NS 170 G		FSC,NSC,HUG	60	30	5.0		.500	A	125J		150.000	G	50NA 50	70
	2N3643	NS 170 G		FSC,NSC,HUG	60	45	5.0		.500	A	125J		250.000	G	50NA 50	140
	2N3644	PS 173	105	NSC,FSC,HUG	45	45	5.0	.500	.300	A	125J		200.000	G	35NA 30	140 .150
	2N3645	PS 173	105	NSC,FSC,HUG	60	60	5.0	.500	.300	A	125J		200.000	G	35NA 50	140 .150
	2N3646	NS 170 F		FSC,HUG	40	15	5.0		.200	A	125J		400.000	G	500NA 20	60
	2N3647	NS 211	46	MOT,HUG,FSC	40	10	6.0	.500	.400	A	200J		350.000	G	25NA 10	70 .550
	2N3648	NS 211	46	MOT,HUG,FSC	40	15	6.0	.500	.400	A	200J		450.000	G	25NA 10	60 .150
	2N3659	NS 211	5	TRW,HUG	220	170	5.0	.500	4.000	C	200J		50.000	G	10NA 120	30 .010
	2N3660	PS 211	5	TEC,HUG,SOL	40	30	5.0	1.500	5.000	C	200A		25.000	G	100NA 20	50 .500
	2N3661	PS 211	5	TEC,HUG,SOL	60	50	5.0	1.500	5.000	C	200A		25.000	G	100NA 30	50 .500
	2N3662	NS 45	98	GEC,SES	18	12	3.0	.025	.200	A	100J		700.000	G	500NA 15	40 .008
	2N3663	NS 45	98	GEC,SES	30	12	3.0	.025	.200	A	100J		700.000	G	500NA 15	40 .008
	2N3664			SEE RF POWER SECTION												
	2N3665	NS 211	5	ITT,NSC,TEC,HUG,FSC,SOL	120	80	10.0	1.000	5.000	C	200J		60.000	G	50NA 60	70 .150
	2N3666	NS 211	5	ITT,NSC,TEC,HUG,FSC,SOL	120	80	10.0	1.000	5.000	C	200J		60.000	G	50NA 60	150 .150
	2N3667	NS 605	3	SOL	50	50	5.0	15.000	117.000	C	200J		.500	G	5MA 50	30 8.000
	2N3671	PS 211	5	FSC,RAY,ITT,MOT,HUG	60	50	5.0	.600	.600	A	200J		200.000	G	10NA 50	120 .150
	2N3672	PS 211	18	FSC,RAY,ITT,MOT,HUG	60	50	5.0	.600	.400	A	200J		200.000	G	10NA 50	120 .150
	2N3673	PS 211	46	FSC,RAY,MOT,HUG	60	50	5.0	.600	.350	A	200J		200.000	G	10NA 50	120 .150
	2N3675	NS 211	5	HUG	90	55	7.0	3.000	8.750	C	200C		1.000	G	5MA 90	27 1.000
	2N3676	NS 211	5	HUG	90	90	7.0	3.000	8.750	C	200C		1.000	G	5MA 90	27 1.000
	2N3677	PS 211	46	CRY	30	20	30.0	.100	.400	A	200J		5.000	G	1NA 30	8 .001
	2N3678	NS 211	5	FSC,ITT,TRW	75	55	6.0	.800	.800	A	200J		250.000	G	10NA 60	70 .150
-	2N3681	NS 217	72	RAY	10	7	2.0		.200	A	200J		1000.000	G	10NA 60	100 .002
	2N3688	NS 170 F		FSC,GIC	40	40	4.0		.200	A	125J		400.000	G	50NA 20	70 .004
	2N3689	NS 170 F		FSC,GIC	40	40	4.0		.200	A	125J		400.000	G	50NA 20	70 .004
	2N3690	NS 170 F		FSC,GIC	40	40	4.0		.200	A	125J		400.000	G	50NA 20	70 .004
	2N3691	NS 170 F		FSC,NSC,PHF	35	25	4.0		.200	A	125J		200.000	G	50NA 30	80 .010
	2N3692	NS 170 F		FSC,NSC,PHF,HUG	35	25	4.0		.200	A	125J		200.000	G	50NA 30	200 .010
	2N3693	NS 170 F		FSC,NSC,GIC	45	45	4.0		.200	A	125J		200.000	G	50NA 35	80 .010
	2N3694	NS 170 F		FSC,NSC,GIC	45	45	4.0		.200	A	125J		200.000	G	50NA 35	200 .010
	2N3700	NS 211	18	RAY,TRW,TEC,HUG,FSC,ITT	140	80	7.0	1.000	.500	A	200J		100.000	G	10NA 90	160 .150
	2N3701	NS 211	18	ITT,TEC,HUG,FSC	140	80	7.0	1.000	.500	A	200J		80.000	G	10NA 90	70 .150
	2N3702	PS 43	92	TII,TIL	40	25	5.0	.200	.300	A	125J		100.000	G	100NA 20	150 .050
	2N3703	PS 43	92	TII,TIL	50	30	5.0	.200	.300	A	125J		100.000	G	100NA 20	75 .050
	2N3704	NS 43	92	TII,TIL	50	30	5.0	.800	.360	A	150J		100.000	G	100NA 20	160 .050
	2N3705	NS 43	92	TII,TIL	50	30	5.0	.800	.360	A	150J		100.000	G	100NA 20	80 .050
	2N3706	NS 43	92	TII,TIL	40	20	5.0	.800	.360	A	150J		100.000	G	100NA 20	300 .050
	2N3707	NS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125J		.200	G	100NA 20	200 .001
	2N3708-BLU	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	350 .001
	2N3708-BRN	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	65 .001
	2N3708-GRN	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	250 .001
	2N3708-ORG	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	128 .001
	2N3708-RED	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	88 .001
	2N3708-VIO	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	510 .001
	2N3708-YEL	NS 43	92	TII	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	178 .001
	2N3709	NS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125J		.090	G	100NA 20	80 .001
	2N3710	NS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125J		.180	G	100NA 20	160 .001
	2N3711	NS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125J		.360	G	100NA 20	330 .001
	2N3712	NS 211	5	TII,MOT	150	150	5.0	.200	.800	A	175J		40.000	G	100NA 75	70 .030
	2N3713	PG 605	3	MOT,TII,SEN,TIL,SOL	80	60	7.0	10.000	150.000	C	200J		4.000	G	1MA 80	48 1.000
	2N3714	PG 605	3	MOT,TII,HUG,SEN,TIL,SOL	100	80	7.0	10.000	150.000	C	200J		4.000	G	1MA 100	48 1.000
	2N3715	PG 605	3	MOT,TII,HUG,SEN,TIL,SOL	80	60	7.0	10.000	150.000	C	200J		4.000	G	1MA 80	86 1.000
	2N3716	NS 605	3	MOT,TII,HUG,SEN,SOL,TIL	100	80	7.0	10.000	150.000	C	200J		4.000	G	1MA 100	86 1.000
	2N3719	PS 211	5	MOT,TEC,SOL	40	40	4.0	3.000	1.000	A	200J		60.000	G	10UA 40	70 1.000
	2N3720	PS 211	5	MOT,TEC,SOL	60	60	4.0	3.000	1.000	A	200J		60.000	G	10UA 60	70 1.000
	2N3721	NS 45	98	SPR,GEC	18	18	5.0	.100	.360	A	150J		AUD		500NA 18	160 .002
	2N3722	NS 211	5	FSC,RAY	80	60	6.0	1.000	.800	A	200J		300.000	G	500NA 40	70 .100
	2N3723	NS 211	5	FSC	100	80	6.0	1.000	.800	A	200J		300.000	G	500NA 50	70 .100
	2N3724	NS 211	5	FSC,TII,ITT,TEC,RAY,HUG	50	30	6.0	1.000	.800	A	200J		250.000	G	2UA 40	60 .010
	2N3724A	NS 211	5	TII,RAY,TIL	50	30	6.0	1.200	1.000	A	200J		300.000	G	500NA 40	98 .100
	2N3725	NS 211	5	FSC,TII,ITT,TEC,RAY,HUG	80	50	6.0	1.000	.800	A	200J		250.000	G	2UA 60	60 .010
	2N3725A	NS 211	5	TII,RAY,TIL	80	50	6.0	1.200	1.000	A	200J		300.000	G	500NA 60	98 .100
	2N3730	PG 605	3	RCA	200		.5	3.000	10.000	C	85J		.015	G	200UA 10	
	2N3731	PG 605	3	RCA	320		2.0	10.000	5.000	C	85J		.015	G	200UA 10	
	2N3732	PG 605	3	RCA	100		.5	3.000	3.000	C	85J		.015	G	200NA 10	
	2N3733			SEE RF POWER SECTION												
	2N3734	NS 211	5	MOT,FSC,RAY	50	30	5.0	1.500	1.000	A	200J		250.000	G	200NA 25	60 1.000
	2N3735	NS 211	5	MOT,RAY	75	50	5.0	1.500	.500	A	200J		250.000	G	20NA 40	40 1.000
	2N3736	NS 211	46	MOT,FSC,ITT	50	30	5.0	1.500	1.000	A	200J		250.000	G	200NA 25	60 1.000
	2N3737	NS 211	46	MOT	75	50	5.0	1.500	.500	A	200J		250.000	G	20NA 40	40 1.000
	2N3738	NS 605	66	MOT	250	225	6.0	.250	20.000	C	175J		10.000	G	100UA 250	100 .100
	2N3739	NS 605	66	MOT	325	300	6.0	.250	20.000	C	175J		10.000	G	100UA 325	100 .100
	2N3740	PS 605	66	MOT,TEC,SOL	60	60	7.0	4.000	25.000	C	200J		4.000	G	100UA 60	50 .250
	2N3740A	PS 605	66	MOT	60	60	7.0	4.000	25.000	C	200J		4.000	G	100NA 60	55 .250
	2N3741	PS 605	66	MOT,TEC,SOL	80	80	7.0	4.000	25.000	C	200J		4.000	G	100UA 80	50 .250
	2N3741A	PS 605	66	MOT	80	80	7.0	4.000	25.000	C	200J		4.000	G	100NA 80	55 .250
	2N3742	NS 211	5	MOT,STC	300	300	10.0	.050	1.000	A	200J		30.000	G	200NA 200	70 .030
	2N3743	PS 211	5	MOT	300	300	5.0	.050	1.000	A	200J		30.000	G	300NA 200	90 .030
	2N3744	NS 568	111	SOL,TEC,HUG,STC	60	40	7.0	5.000	30.000	C	200J		30.000	G	100NA 30	35 1.000
	2N3745	NS 568	111	SOL,TEC,HUG,STC	80	60	8.0	5.000	30.000	C	200J		30.000	G	100NA 60	35 1.000
	2N3746	NS 568	111	SOL,TEC,HUG,STC	100	80	8.0	5.000	30.000	C	200J		30.000	G	100NA 60	35 1.000
	2N3747	NS 568	111	SOL,TEC,HUG,STC	60	40	7.0	5.000	30.000	C	200J		40.000	G	100NA 30	70 1.000
	2N3748	NS 568	111	SOL,TEC,HUG,STC	80	60	8.0	5.000	30.000	C	200J		40.000	G	100NA 60	70 1.000
	2N3749	NS 568	111	SOL,TEC,HUG,STC	100	80	8.0	5.000	30.000	C	200J		40.000	G	100NA 60	70 1.000
	2N3750	NS 568	111	SOL,TEC,HUG,STC	60	40	7.0	5.000	30.000	C	200J		50.000	G	100NA 30	175 1.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N3751	NS 568	111	SOL,TEC,HUG,STC	80	60	8.0	5.000	30.000	C	200J		50.000	G	100NA	60	175	1.000
	2N3752	NS 568	111	SOL,TEC,HUG,STC	100	80	8.0	5.000	30.000	C	200J		50.000	G	100NA	60	175	1.000
	2N3762	PS 211	5	MOT	40	40	5.0	1.500	1.000	A	200J		180.000	G	100NA	20	60	1.000
	2N3763	PS 211	5	MOT	60	60	5.0	1.500	1.000	A	200J		150.000	G	100NA	30	40	1.000
	2N3764	PS 211	46	MOT	40	40	5.0	1.500	.500	A	200J		180.000	G	100NA	20	60	1.000
	2N3765	PS 211	46	MOT	60	60	5.0	1.500	.500	A	200J		150.000	G	100NA	30	40	1.000
	2N3766	NS 605	66	MOT,TEC,HUG,SOL	80	60	6.0	4.000	20.000	C	175J		10.000	G	100UA	60	80	.500
	2N3767	NS 605	66	MOT,TEC,HUG,SOL	100	80	6.0	4.000	20.000	C	175J		10.000	G	100UA	80	80	.500
	2N3771	NS 605	3	RCA,SOL,WHE,STC,MOT,HUG	50	40	5.0	30.000	150.000	C	200J		.200	G	2MA	50	30	15.000
	2N3772	NS 605	3	RCA,SOL,WHE,STC,MOT,HUG	100	60	7.0	30.000	150.000	C	200J		.200	G	5MA	100	30	15.000
	2N3773	NS 605	3	RCA,SOL,WHE,STC,MOT,HUG	160	140	7.0	30.000	150.000	C	200J		AUD		2MA	140	30	8.000
	2N3774	PS 211	5	STC	40	40	8.0	1.000	8.750	C	200J		HF AMP		500UA	40	30	.200
	2N3775	PS 211	5	STC,CRY,SOL	60	60	8.0	1.000	8.750	C	200J		HF AMP		500UA	60	30	.200
	2N3776	PS 211	5	STC,CRY,SOL	80	80	8.0	1.000	8.750	C	200J		HF AMP		500UA	80	30	.200
	2N3777	PS 211	5	STC,CRY,SOL	100	100	8.0	1.000	8.750	C	200J		HF AMP		500UA	100	30	.200
	2N3778	PS 211	5	STC,CRY,SOL	40	40	8.0	1.000	8.750	C	200J		HF AMP		500UA	40	20	.200
	2N3779	PS 211	5	STC,CRY,SOL	60	60	8.0	1.000	8.750	C	200J		HF AMP		500UA	60	20	.200
	2N3780	PS 211	5	STC,CRY,SOL	80	80	8.0	1.000	8.750	C	200J		HF AMP		500UA	80	20	.200
	2N3781	PS 211	5	STC,CRY,SOL	100	100	8.0	1.000	8.750	C	200J		HF AMP		500UA	100	20	.200
	2N3782	NS 211	5	STC,CRY,SOL	40	40	8.0	1.000	8.750	C	200J		HF AMP		500UA	40	20	1.000
	2N3783	PG 217	72	MOT	30	30S	20.0	.020	.150	A	100J		800.000	G	5UA	10	70	.003
	2N3784	PG 217	72	MOT	30	30S	20.0	.020	.150	A	100J		700.000	G	5UA	10	70	.003
	2N3785	PG 217	72	MOT	15	15S	12.0	.020	.150	A	100J		700.000	G	5UA	10	66	.003
	2N3788	NS 605	3	SOL,MOT	400	325	5.0	3.000	100.000	C							6	2.500
	2N3789	PS 605	3	MOT,TII,SOL,TIL	60	60	7.0	10.000	150.000	C	200J		4.000	G	1MA	60	50	1.000
	2N3790	PS 605	3	MOT,TII,SOL,TIL	80	80	7.0	10.000	150.000	C	200J		4.000	G	1MA	60	50	1.000
	2N3791	PS 605	3	MOT,TII,SOL,TIL	60	60	7.0	10.000	150.000	C	200J		4.000	G	1MA	80	80	1.000
	2N3792	PS 605	3	MOT,TII,SOL,TIL	80	80	7.0	10.000	150.000	C	200J		4.000	G	1MA	80	80	1.000
	2N3793	NS 51 A		NSC	40	20	5.0	.500	.250	A	125J		100.000	G	500NA	15	50	.010
	2N3794	NS 51 A		NSC	40	20	5.0	.500	.250	A	125J		100.000	G	500NA	15	250	.010
	2N3798	PS 211	18	MOT,TII,TIL	60	60	5.0	.050	.360	A	200J		100.000	G	10NA	50	260	.001
	2N3798A	PS 211	18	MOT	90	90	5.0	.050	.360	A	200S		30.000	G	10NA	50	225	.001
	2N3799	PS 211	18	MOT,TII,TIL	60	60	5.0	.050	.360	A	200J		100.000	G	10NA	50	570	.001
	2N3799A	PS 211	18	MOT	90	90	5.0	.050	.360	A	200J		30.000	G	10NA	50	450	.001
	2N3818	NS 540	60	MOT	60	60	4.0	1.000	25.000	C	175J		150.000	G	1UA	50	17	.400
	2N3825	NS 43	92	TIL	30	15	4.0	.100	.250	A			200.000	G			30	.002
	2N3826	NS 43	92	TIL	60	45	4.0	.030	.200	A			200.000	G			80	.010
	2N3827	NS 43	92	TIL	60	45	4.0	.030	.200	A			200.000	G			200	.010
	2N3828	NS 43	92	TII	40	40	3.0	.100	.300	A	125J		360.000	G	100NA	20	100	.012
	2N3829	PS 211	52	TII,TIL	35	20	5.0	.500	.360	A	175J		350.000	G	300NA	20	60	.030
	2N3830	NS 211	5	RAY,TIL	80	60	5.0	1.200	1.000	A	200J		200.000	G	500NA	40	30	.500
	2N3831	NS 211	5	RAY,TIL	70	40	5.0	1.200	1.000	A	200J		200.000	G	500NA	40	35	.500
	2N3832	NS 217	72	TII	15	10	6.0	.035	.200	A	200J		800.000	G	10NA	8	60	.002
	2N3833	NS 907 A		TII	25	15	1.0	.100	1.000	A			1000.000	G	20NA	12	30	.012
	2N3834	NS 907 A		TII	25	15	1.0	.100	1.000	A			1000.000	G	20NA	12	30	.012
	2N3835	NS 907 A		TII	25	15	1.0	.100	1.000	A			1000.000	G	20NA	12	30	.012
	2N3839	NS 217	72	RCA,MOT	30	15	2.5	.040	.200	A	200J		1000.000	G	10NA	15	68	.003
	2N3840	PS 211	46	NSC,SPR,MOT,HUG,CRY	50	50	50.0	.100	.400	A	200J		6.000	G	1NA	40	75	.001
	2N3841	PS 210	18	NSC,HUG	100	100	80.0	.100	.300	A	175J		1.500	G	2NA	50	40	.001
	2N3842	PS 210	18	NSC,HUG	120	120	120.0	.100	.300	A	175J		1.000	G	20NA	50	20	.001
	2N3843	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		60.000	G	500NA	18	30	.002
	2N3843A	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		60.000	G	500NA	18	30	.002
	2N3844	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		90.000	G	500NA	18	52	.002
	2N3844A	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		90.000	G	500NA	18	52	.002
	2N3845	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		120.000	G	500NA	18	90	.002
	2N3845A	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.200	A	100J		120.000	G	500NA	18	90	.002
	2N3846	NS 560	63	TII,TIL	300	200	10.0	20.000	150.000	C	175C		10.000	G	2MA	300	25	10.000
	2N3847	NS 560	63	TII,TIL	400	300	10.0	20.000	150.000	C	175C		10.000	G	2MA	300	25	15.000
	2N3850	NS 561	59	SSP,TEC,SOL	100	80			30.000	C			40.000	G	100NA	80	30	2.000
	2N3851	NS 561	59	SSP,TEC,SOL	100	80			30.000	C			30.000	G	100NA	80	20	2.000
	2N3852	NS 561	59	SSP,SOL,TEC	60	40			30.000	C			40.000	G	100NA	40	30	2.000
	2N3853	NS 561	59	SSP,TEC,SOL	60	40			30.000	C			30.000	G	100NA	40	20	2.000
	2N3854	NS 45	98	GEC,SPR,SES,HUG	18	18	4.0	.100	.200	A	100J		100.000	G	500NA	18	50	.002
	2N3854A	NS 45	98	GEC,SPR,SES,HUG	30	30	4.0	.100	.200	A	100J		100.000	G	500NA	18	50	.002
	2N3855	NS 45	98	GEC,SPR,SES,HUG	18	18	4.0	.100	.200	A	100J		130.000	G	500NA	18	80	.002
	2N3855A	NS 45	98	GEC,SPR,SES,HUG	30	30	4.0	.100	.200	A	100J		130.000	G	500NA	18	80	.002
	2N3856	NS 45	98	GEC,SPR,SES,HUG	18	18	4.0	.100	.200	A	100J		140.000	G	500NA	18	140	.002
	2N3856A	NS 45	98	GEC,SPR,SES,HUG	30	30	4.0	.100	.200	A	100J		140.000	G	500NA	18	140	.002
	2N3857	PS 210	5	NSC	45	45	30.0	.500	.600	A	200J		4.000	G	5NA	40	100	.001
	2N3858	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.120	A	100J		90.000	G	500NA	18	80	.002
	2N3858A	NS 45	98	GEC,SPR	60	60	6.0	.100	.120	A	100J		90.000	G	100NA	60	80	.002
	2N3859	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.120	A	100J		90.000	G	500NA	18	140	.002
	2N3859A	NS 45	98	GEC,SPR,HUG	60	60	6.0	.100	.120	A	100J		90.000	G	100NA	60	140	.002
	2N3860	NS 45	98	GEC,SPR,HUG	30	30	4.0	.100	.120	A	100J		90.000	G	500NA	18	200	.002
	2N3861	NS 635 B		STC	530	530X	5.0	.250	15.000	C	175J		50.000	G	100UA	530	80	.025
	2N3862	NS 211	18	TEC,HUG	50	20	4.5	.200	.360	A	300J		600.000	G	50NA	20	88	.010
	2N3863	NS 605	3	STC,SOL	70	50	7.0	7.500	117.000	C	200C		.500	G	1MA	50	52	3.000
	2N3864	NS 605	3	SOL	110	90	7.0	7.500	117.000	C	200C		.500	G	1MA	90	52	3.000
	2N3865	NS 605	3	BEN	160	150	7.0	7.500	117.000	C	200C		.500	G	1MA	150	52	3.000
	2N3866			SEE RF POWER SECTION														
	2N3867	PS 211	5	TEC,MOT	45	40	4.0	3.000	1.000	A	200A		60.000	G	1UA	40	90	1.500
	2N3868	PS 211	5	TEC,MOT	65	60	4.0	3.000	1.000	A	200A		60.000	G	1UA	60	68	1.500
	2N3877	NS 45	98	GEC,SPR,HUG	70	70	4.0	.050	.200	A	100J		160.000	G	500NA	70	40	.002
	2N3877A	NS 45	98	GEC,SPR,HUG	85	85	4.0	.050	.200	A	100J		160.000	G	500NA	70	40	.002
	2N3878	NS 605	66	RCA,TEC,SOL	120	50	7.0	7.000	35.000	C	200J		40.000	G	5MA	40	100	.500
	2N3879	NS 605	66	RCA,WHE,SOL	120	75	7.0	7.000	35.000	C	200J		40.000	G	5MA	40	40	4.000
	2N3883	PG 211	5	MOT	25	15	3.0	.300	.300	A	100J		100.000	G	100UA	15	60	.200
	2N3900	NS 45	98	GEC,SPR,HUG	18	18	5.0	.100	.120	A	100J		160.000	G	100NA	18	300	.002
	2N3900A	NS 45	98	GEC,SPR,HUG	18	18	5.0	.100	.120	A	100J		160.000	G	100NA	18	300	.002
	2N3901	NS 45	98	GEC	18	18	5.0	.100	.120	A	100J		200.000	G	10NA	15	450	.002
	2N3902	NS 605	3	DEL,SOL,MOT	400	400	5.0	3.500	100.000	H	150J		4.000	G	250UA	400	53	1.000
	2N3903	NS 41	92	MOT,SPR	60	40	6.0	.200	.310	A	135J		250.000	G	50NA	40	100	.010
	2N3904	NS 41	92	MOT,SPR	60	40	6.0	.200	.310	A	135J		300.000	G	50NA	40	160	.010
	2N3905	PS 41	92	MOT,SPR	40	40	5.0	.200	.310	A	135J		200.000	G	50NA	40	100	.010
	2N3906	PS 41	92	MOT,SPR	40	40	5.0	.200	.310	A	135J		250.000	G	50NA	40	160	.010
	2N3910	PS 211	46	RAY,MOT,HUG,CRY	60	50	50.0		.500	A	200J		4.000	G	1NA	50	80	.001
	2N3911	PS 211	46	RAY,MOT,HUG,CRY	60	40	40.0		.500	A	200J		8.000	G	1NA	40	120	.001
	2N3912	PS 211	46	RAY,HUG,HUG,CRY	60	30	30.0		.500	A	200J		10.000	G	1NA	30	180	.001
	2N3913	PS 210	18	RAY,HUG,CRY	60	50	50.0		.400	A	200J		4.000	G	1NA	50	80	.001
	2N3914	PS 210	18	RAY,HUG,CRY	60	40	40.0		.400	A	200J		8.000	G	1NA	40	120	.001
	2N3915	PS 210	18	RAY,HUG,CRY	60	30	30.0		.400	A	200J		10.000	G	1NA	30	180	.001
	2N3916	NS 635 B		HUG	150	150	5.0	.150	5.000	C	150J		50.000	G	1MA	250	90	.150
	2N3917	NS 605	3	HUG	80	40	6.0		20.000	C	150J		50.000	G	100UA	30	60	1.000
	2N3918	NS 605	3	HUG	80	40	6.0	2.000	20.000	C	150J		50.000	G	1MA	80	175	1.000
	2N3919	NS 605	3	HUG	120	60	6.0		15.000	C	150J		80.000	G	10UA	60	85	2.000
	2N3920	NS 605	3	HUG	120	60	6.0		15.000	C	150J		80.000	G	10UA	60	210	2.000
	2N3923	NS 211	5	FSC	150	150	6.0	.100	.800	A	200J		40.000	G	10NA	100	100	.025
	2N3924			SEE RF POWER SECTION														
	2N3925			SEE RF POWER SECTION														
	2N3926			SEE RF POWER SECTION														
	2N3927			SEE RF POWER SECTION														
	2N3928	NS 211	5	SOL	80	40	4.0	3.000	5.000	H	175C		200.000	G	1MA	80	95	1.500
	2N3929	NS 561	59	SOL	80	40	4.0	3.000	2.000	H	175C		200.000	G	1MA	80	95	1.500
	2N3930	PS 211	39	FSC	180	180	6.0	.100	.400	A	200A		40.000	G	10NA	100	155	.010
	2N3931	PS 211	39	FSC	180	180	6.0	.100	.700	A	200A		40.000	G	10NA	100	155	.010
	2N3932	NS 217	104	RCA	30	20	2.5		.200	A	200J		750.000	G	10NA	15	78	.002
	2N3933	NS 217	104	RCA	40	30	2.5		.200	A	200J		750.000	G	10NA	15	110	.002
	2N3945	NS 211	5	NSC,HUG,ITT	70	50	8.0	1.000	5.000	C	200J		60.000	G	40NA	60	82	.150
	2N3946	NS 211	18	MOT	60	40	6.0	.200	.360	A	200J		250.000	G	10NA	40	80	.010
	2N3947	NS 211	18	MOT	60	40	6.0	.200	.360	A	200J		300.000	G	10NA	40	160	.010
	2N3948			SEE RF POWER SECTION														
	2N3950			SEE RF POWER SECTION														
	2N3959	NS 210	18	MOT	20	12	4.5		.400	A	200J		1000.000	G	5NA	10	90	.010
	2N3960	NS 210	18	MOT	20	12	4.5		.400	A	200J		1200.000	G	5NA	10	90	.010
	2N3961			SEE RF POWER SECTION														
	2N3962	PS 211	18	FSC,TII,ITT,NSC,IMG,HUG	60	60	6.0	.200	.360	A	200J		40.000	G	10NA	50	260	.001
	2N3963	PS 211	18	FSC,TII,ITT,NSC,IMG,HUG	80	80	6.0	.200	.360	A	200J		40.000	G	10NA	70	260	.001
	2N3964	PS 211	18	FSC,TII,ITT,NSC,IMG,HUG	45	45	6.0	.200	.360	A	200J		50.000	G	10NA	40	330	.001
	2N3965	PS 211	18	FSC,TII,ITT,NSC,HUG,TIL	60	60	6.0	.200	.360	A	200J		50.000	G	10NA	50	330	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.	Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
+	2N3973	NS 45	98	GEC,HUG	60	30	5.0	.400	.360	A	150J		200.000	G	500NA	40	60	.150
	2N3974	NS 45	98	GEC,HUG	60	30	5.0	.400	.360	A	150J		200.000	G	500NA	40	100	.150
	2N3975	NS 45	98	GEC,SPR,HUG	60	30	5.0	.400	.360	A	150J		200.000	G	500NA	40	60	.150
	2N3976	NS 45	98	GEC,SPR,HUG	60	30	5.0	.400	.360	A	150J		200.000	G	500NA	40	100	.150
	2N3977	PS 210	46	SPR,NSC,MOT	15	10	15.0	.100	.400	A	200J		1.000	G	1NA	15	80	.005
	2N3978	PS 210	46	SPR,NSC,MOT,HUG	25	20	25.0	.100	.400	A	200J		1.000	G	1NA	25	60	.005
	2N3979	PS 210	46	SPR,NSC,HUG	40	35	40.0	.100	.400	A	200J		1.000	G	1NA	40	40	.005
	2N3983	NS 43	92	TIL	30	12	3.0	.030	.200	A	150S		300.000	G	100NA	10	45	.004
	2N3984	NS 43	92	TIL	30	12	3.0	.030	.200	A	150S		300.000	G	100NA	10	30	.004
	2N3985	NS 43	92	TIL	30	12	3.0	.030	.200	A	150S		300.000	G	100NA	10	30	.004
	2N3995	PG 211	39	TII	20	12	.5	.100	.300	A	100J		600.000	G	3UA	6	240	.025
	2N3996	NS 568	111	TII,TEC,SOL,TIL	100	80	8.0	5.000	30.000	C	200J		40.000	G	5UA	90	70	1.000
	2N3997	NS 568	111	TII,TEC,TIL,SOL	100	80	8.0	5.000	30.000	C	200J		40.000	G	5UA	90	140	1.000
	2N3998	NS 581	111	TII,TEC,SOL,TIL	100	80	8.0	5.000	30.000	C	200J		40.000	G	5UA	90	70	1.000
	2N3999	NS 581	111	TII,TEC,TIL,SOL	100	80	8.0	5.000	30.000	C	200J		40.000	G	5UA	90	140	1.000
	2N4000	NS 211	5	TII,SOL,TEC,HUG,TIL	100	80	8.0	1.000	1.000	A	200J		40.000	G	10UA	60	60	.500
	2N4001	NS 211	5	TII,TEC,HUG,SOL,TIL	120	100	8.0	1.000	1.000	A	200J		40.000	G	10UA	80	70	.500
	2N4002	NS 561	63	TII,TEC,WHE,SOL,TIL	100	80	8.0	30.000	100.000	C	200J		30.000	G	1MA	90	40	15.000
	2N4003	NS 561	63	TII,TEC,WHE,SOL,TIL	120	100	8.0	30.000	100.000	C	200J		30.000	G	1MA	110	40	15.000
	2N4004	NS 913 A		TII	100	80	8.0	20.000	40.000	H	200J		30.000	G	2MA	40	60	10.000
	2N4005	NS 913 A		TII	120	100	8.0	20.000	40.000	H	200J		30.000	G	2MA	50	60	10.000
	2N4006	PS 211	46	TEC,CRY	10	6	10.0	.100	.400	A	200J		20.000	G	1NA	10	60	.001
	2N4007	PS 211	46	TEC,CRY	20	15	20.0	.100	.400	A	200J		15.000	G	1NA	20	45	.001
	2N4008	PS 211	46	TEC,CRY	35	35	30.0	.100	.400	A	200J		15.000	G	3NA	45	30	.001
	2N4012			SEE RF POWER SECTION														
	2N4013	NS 211	18	TEC,HUG,ITT,SPR	50	30	6.0	1.000	.360	A	200J		300.000	G	2UA	40	90	.100
	2N4014	NS 211	18	TEC,HUG,ITT,SPR	80	50	6.0	1.000	.360	A	200J		300.000	G	2UA	60	90	.100
	2N4026	PS 211	18	FSC	60	60	5.0	1.000	.500	A	200J		100.000	G	50NA	50	70	.100
	2N4027	PS 211	18	FSC	80	80	5.0	1.000	.500	A	200J		100.000	G	50NA	60	70	.100
	2N4028	PS 211	18	FSC	60	60	5.0	1.000	.500		200J		150.000	G	50NA	50	175	.100
	2N4029	PS 211	18	FSC	80	80	5.0	1.000	.500	A	200J		150.000	G	50NA	60	175	.100
	2N4030	PS 211	5	RAY,FSC,IMG	60	60	5.0	1.000	.800	A	200J		100.000	G	50NA	50	70	.100
	2N4031	PS 211	5	FSC,IMG	80	80	5.0	1.000	.800	A	200J		100.000	G	50NA	60	175	.100
	2N4032	PS 211	5	RAY,FSC,IMG	60	60	5.0	1.000	.800	A	200J		150.000	G	50NA	50	70	.100
	2N4033	PS 211	5	FSC,IMG	80	80	5.0	1.000	.800	A	200J		150.000	G	50NA	60	175	.100
	2N4034	PS 211	18	FSC,ITT,HUG	40	40	5.0	.100	.360	A	200J		400.000	G	15NA	30	150	.010
	2N4035	PS 211	18	FSC	40	40	5.0	.100	.360	A	200J		450.000	G	15NA	30	200	.010
	2N4036	PS 210	5	RCA	90	65	7.0	1.000	1.000	A	200J		60.000	G	2NA	60	76	.150
	2N4037	PS 210	5	RCA	60	40	7.0	1.000	1.000	A	200J		60.000	G	2NA	60	112	.150
	2N4040			SEE RF POWER SECTION														
	2N4041			SEE RF POWER SECTION														
	2N4046	NS 211	5	FSC,ITT,RAY,TEC	50	30	6.0	.500	.800	A	200J		250.000	G	2UA	40	90	.100
	2N4047	NS 211	5	FSC,ITT,RAY,TEC	80	50	6.0	.500	.800	A	200J		250.000	G	2UA	60	90	.100
	2N4048	PG 403	68	MOT,SOL	45	30	25.0	60.000	170.000	C	110J		.002	E	4MA	45	90	15.000
	2N4049	PG 403	68	MOT,SOL	60	45	30.0	60.000	170.000	C	110J		.002	E	4MA	60	90	15.000
	2N4050	PG 403	68	MOT,SOL	75	60	40.0	60.000	170.000	C	110J		.002	E	4MA	75	90	15.000
	2N4051	PG 40	68	MOT,SOL	45	30	25.0	60.000	170.000	C	110J		.002	E	4MA	45	124	15.000
	2N4052	PG 403	68	MOT,SOL	60	45	30.0	60.000	170.000	C	110J		.002	E	4MA	60	124	15.000
	2N4053	PG 403	68	MOT,SOL	75	60	40.0	60.000	170.000	C	110J		.002	E	4MA	75	124	15.000
-	2N4054	NS 52 A		GEC	300	300	7.0	.100	4.000	C	150J		25.000	G	100UA	300	52	.050
-	2N4055	NS 52 A		GEC	250	250	7.0	.100	4.000	C	150J		25.000	G	100UA	250	52	.050
-	2N4056	NS 52 A		GEC	200	200	7.0	.100	4.000	C	150J		25.000	G	100UA	200	52	.050
-	2N4057	NS 52 A		GEC	150	150	7.0	.100	4.000	C	150J		25.000	G	100UA	150	52	.050
	2N4058	PS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125A		.100	G	100NA	20	200	
	2N4059	PS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125A		.045	G	100NA	20	210	.001
	2N4060	PS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125A		.045	G	100NA	20	90	.001
	2N4061	PS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125A		.090	G	100NA	20	170	.001
	2N4062	PS 43	92	TII,TIL	30	30	6.0	.030	.250	A	125A		.180	G	100NA	20	350	.001
	2N4063	NS 635 B		RCA	450	350	7.0	1.000	10.000	C	200J		8.000	G	20UA	300	80	.020
	2N4064	NS 635 B		RCA	300	250	7.0	1.000	10.000	C	200J		8.000	G	50UA	200	80	.020
	2N4068	NS 211 L		RCA	150		5.0	.200	.500	A	175J		50.000	G	50NA	120	70	.030
	2N4069	NS 211 M		RCA	150		5.0	.200	1.000	A	175J		50.000	G	50NA	120	70	.030
	2N4070	NS 605	3	SOL,HUG	120	100	8.0	10.000	65.000	H	200J		60.000	G	100NA	60	70	5.000
	2N4071	NS 605	3	SOL,HUG	200	150	8.0	10.000	65.000	H	200J		60.000	G	100NA	100	70	5.000
	2N4072	NS 211	18	MOT	40	20	4.0	.100	.350	A	200J		275.000	G	100NA	15	10	.025
	2N4073	NS 211	39	MOT	40	20	4.0	.150	1.500	C	200J		275.000	G	100NA	15	10	.025
	2N4074	NS 211 L		RCA		40	8.0	.300	.400	A	175J		50.000	G	10NA	25	150	.010
	2N4075	NS 560	59	FSC	100	80	5.0	3.000	30.000	C	200J		30.000	G	100NA	60	55	1.000
	2N4076	NS 560	59	FSC	100	80	5.0	3.000	30.000	C	200J		30.000	G	100NA	60	80	1.000
	2N4077	NG 605 F		AMP	32	20	10.0	1.000	7.500	H	90J		1.000	G	3MA	32	150	.500
	2N4078	PG 605 F		AMP	32	20	10.0	1.000	7.500	H	90J		1.000	G	2MA	32	150	.500
	2N4080	PS 217	72	RAY,HUG	20	15	3.0		.200	C	200J		1000.000	G	10NA	15	40	.003
-	2N4081	NS 218	104	RCA	40	40	3.0		.200	A	200J		600.000	G	20NA	10	86	.002
	2N4104	NS 211	5	TII,GIC	60	60	1.0	.050	.300	A	175J		90.000	G	10NA	45	600	.001
	2N4106	PG 120	1	AMP	25			1.000	1.600	C			1.500	G			300	.500
	2N4111	NS 605	3	SOL	100	60	8.0		30.000	C	150J		70.000	G	50UA	30	64	2.000
	2N4112	NS 605	3	SOL	100	60	8.0		30.000	C	150J		80.000	G	50UA	40	140	2.000
	2N4113	NS 605	3	SOL	120	80	8.0		30.000	C	150J		70.000	G	50UA	30	64	2.000
-	2N4114	NS 605	3	BEN	120	80	8.0		30.000	C	150J		80.000	G	50UA	40	140	2.000
	2N4115	NS 560	59	FSC	120	80	8.0		37.000	C	200J		70.000	G	10UA	60	64	2.000
	2N4116	NS 560	59	FSC	120	80	8.0		37.000	C	200J		80.000	G	10UA	60	140	2.000
	2N4121	PS 170 F		FSC,TEC,HUG	40	40	5.0	.100	.200	C	125J		400.000	G	25NA	30	150	.010
	2N4122	PS 170 F		TEC,HUG	40	40	5.0	.100	.200	C	125J		450.000	G	25NA	30	200	.010
	2N4123	NS 41	92	MOT,SPR	40	30	5.0	.200	.310	A	135J		250.000	G	50NA	20	80	.002
	2N4124	NS 41	92	MOT,SPR	30	25	5.0	.200	.310	A	135J		300.000	G	50NA	20	200	.002
	2N4125	PS 41	92	MOT,SPR	30	30	4.0	.200	.310	A	135J		200.000	G	50NA	20	80	.002
	2N4126	PS 41	92	MOT,SPR	25	25	4.0	.200	.310	A	135J		250.000	G	50NA	20	200	.002
	2N4127			SEE RF POWER SECTION														
	2N4128			SEE RF POWER SECTION														
	2N4130			SEE RF POWER SECTION														
	2N4131			SEE RF POWER SECTION														
	2N4132			SEE RF POWER SECTION														
	2N4133			SEE RF POWER SECTION														
	2N4134	NS 217	72	FSC	30	30	3.0		.200	A	200J		350.000	G	50NA	10	80	.004
	2N4135	NS 217	72	FSC	30	30	3.0		.200	A	200J		425.000	G	50NA	10	80	.004
	2N4137	NS 210	18	FSC,RAY	40	20	4.5	.200	.360	A	200J		500.000	G	400NA	20	66	.010
	2N4138	NS 211	46	TII,CRY,TIL	30	30	15.0		.300	A	175C		20.000	G	10NA	25	150	.001
	2N4140	NS 173	106	GIC,NSC,HUG	60	30	5.0	.200	.300	A	125J		250.000	G	50NA	40	70	.150
	2N4141	NS 173	106	GIC,NSC,HUG	60	30	5.0	.200	.300	A	125J		250.000	G	50NA	40	175	.150
	2N4142	PS 173	106	GIC,NSC,HUG	60	40	5.0	.200	.300	A	125J		200.000	G	50NA	30	70	.150
	2N4143	PS 173	106	GIC,NSC,HUG	60	40	5.0	.200	.300	A	125J		200.000	G	50NA	30	175	.150
	2N4150	NS 211	5	HUG	100	80	5.0	10.000	5.000	H	200J		15.000	G	100NA	60	70	5.000
	2N4207	PS 211	18	FSC	6	6	4.5	.050	.350	A	200J		650.000	G	10NA	3	80	.010
	2N4208	PS 211	18	FSC	12	12	4.5	.050	.350	A	200J		700.000	G	10NA	6	60	.010
	2N4209	PS 211	18	FSC	15	15	4.5	.050	.350	A	200J		850.000	G	10NA	8	80	.010
	2N4210	NS 561	63	TEC,HUG,SOL	80	60	10.0	20.000	100.000	H	200J		10.000	G	500UA	80	45	10.000
	2N4211	NS 561	63	TEC,HUG,SOL	100	80	10.0	20.000	100.000	H	200J		10.000	G	500UA	100	45	10.000
	2N4225	NS 211	5	SOL	80	40	6.0	3.000	5.000	C	175J		150.000	G	100NA	30	50	2.000
	2N4226	NS 211	5	SOL	100	60	6.0	3.000	5.000	C	175J		150.000	G	100NA	30	40	2.000
	2N4227	NS 173	106	GIC,NSC,HUG	60	30	5.0	.200	.300	A	125J		250.000	G	50NA	40	113	.150
	2N4228	PS 173	106	NSC,NSC,HUG	60	40	5.0	.200	.300	A	125J		200.000	G	50NA	30	113	.150
	2N4231	NS 605	66	MOT,SOL	50	40	5.0	5.000	35.000	C	200J		4.000	G	50UA	50	50	1.500
	2N4231A	NS 605	66	MOT	40	40	5.0	3.000	75.000	C	200J		4.000	G	100UA	40	50	1.500
	2N4232	NS 605	66	MOT,SOL	70	60	5.0	5.000	35.000	C	200J		4.000	G	50UA	70	50	1.500
	2N4232A	NS 605	66	MOT	60	60	5.0	3.000	75.000	C	200J		4.000	G	100UA	60	50	1.500
	2N4233	NS 605	66	MOT,SOL	90	80	5.0	5.000	35.000	C	200J		4.000	G	50UA	90	50	1.500
	2N4233A	NS 605	66	MOT	80	80	5.0	3.000	75.000	C	200J		4.000	G	100UA	80	50	1.500
	2N4234	PS 211	5	MOT,TEC,SOL	40	40	7.0	3.000	1.000	A	200J		3.000	G	100UA	40	66	.250
	2N4235	PS 211	5	MOT,TEC,SOL	60	60	7.0	3.000	1.000	A	200J		3.000	G	100UA	60	66	.250
	2N4236	PS 211	5	MOT,TEC,FSC,SOL	80	80	7.0	3.000	1.000	A	200J		3.000	G	100UA	80	66	.250
	2N4237	NS 211	5	FSC,TEC,SOL,MOT,HUG	50	40	6.0	1.000	.800	A	200J		1.000	G	100UA	50	68	.250
	2N4238	NS 211	5	FSC,TEC,SOL,MOT,HUG	80	60	6.0	1.000	.800	A	200J		1.000	G	100UA	80	68	.250
	2N4239	NS 211	5	FSC,TEC,SOL,MOT,HUG	100	80	6.0	1.000	.800	A	200J		1.000	G	100UA	100	68	.250
	2N4240	NS 605	66	RCA	500	300	6.0	2.000	35.000	C	200J		15.000	G	5MA	150	70	.750
	2N4241	PG 605	3	AMP	32	20	20.0	5.000	37.500	C	100C		.005	E	45UA	1	132	.300
	2N4242	PG 605	3	SOL,HUG	80	70S	40.0	10.000	106.000	C	110J		.300	G	2MA	80	60	5.000
	2N4243	PG 605	3	SOL,HUG	60	55S	30.0	10.000	106.000	C	110J		.300	G	2MA	60	60	5.000
	2N4244	PG 605	3	SOL,HUG	40	40S	20.0	10.000	106.000	C	110J		.300	G	2MA	40	60	5.000
	2N4245	PG 605	3	SOL,HUG	80	70S	40.0	10.000	106.000	C	110J		.300	G	2MA	80	90	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N4246	PG 605	3	SOL,HUG	60	55S	30.0	10.000	106.000	C	110J	.300 G	2MA	60	90	5.000
	2N4247	PG 605	3	SOL,HUG	40	40S	20.0	10.000	106.000	C	110J	.300 G	2MA	40	90	5.000
	2N4248	PS 170 F		FSC,NSC,GIC	40	40	5.0		.200	A	125J	40.000 G	10NA	40	120	.010
	2N4249	PS 170 F		FSC,NSC,GIC	60	60	5.0		.200	A	125J	40.000 G	10NA	40	280	.010
	2N4250	PS 170 F		FSC,NSC,GIC,HUG	40	40	5.0		.200	A	125J	50.000 G	10NA	40	350	.010
	2N4251	NS 211	46	FSC	15	10	4.5		.250	A	200J	1300.000 G	1UA	10	180	.010
	2N4252	NS 217	72	TII,TIL	30	18	4.0	.050	.200	A	175A	600.000 G	50NA	15	100	.002
	2N4253	NS 217	72	TII,TIL	30	18	4.0	.050	.200	A	175A	600.000 G	50NA	15	68	.002
-	2N4254	NS 43	92	TII	30	18	4.0	.050	.200	A	125A	600.000 G	100NA	15	100	.002
-	2N4255	NS 43	92	TII	30	18	4.0	.050	.200	A	125A	600.000 G	100NA	15	68	.002
	2N4256	NS 45	98	GEC,HUG	30	30S	5.0	.100	.200	A	100J	100.000 G	1NA	30	220	.002
	2N4257	PS 173	106	FSC	6	6	4.5	.050	.200	A	125J	500.000 G	10NA	3	60	.010
	2N4258	PS 173	106	FSC	12	12	4.5	.050	.200	A	125J	700.000 G	10NA	6	60	.010
	2N4259	NS 217	104	RCA	40	30	2.5		.175	A	175J	1000.000 G	10NA	15	122	.002
	2N4260	PS 217	72	MOT	15	15	4.5	.030	.200	A	200J	1200.000 G	5NA	10	68	.010
	2N4261	PS 217	72	MOT	15	15	4.5	.030	.200	A	200J	1500.000 G	5NA	10	68	.010
	2N4264	NS 41	92	MOT	30	15	6.0	.200	.310	A	135J	300.000 G	100NA	12	80	.010
	2N4265	NS 41	92	MOT	30	12	6.0	.200	.310	A	135J	300.000 G	100NA	12	200	.010
	2N4269	NS 211	18	TEC,HUG	200	140	15.0	.030	.360	A	200J	AUD	1UA	150	90	.010
	2N4270	NS 210	5	TEC,HUG	200	140	15.0	.030	.400	A	200J	AUD	1UA	150	90	.010
	2N4271	NS 211	5	TEC,HUG	175	140	8.0	1.000	5.000	H	175C	20.000 G	50NA	30	55	.250
	2N4272	NS 211	5	TEC,HUG	175	140	9.0	2.500	5.000	H	175C	10.000 G	100NA	50	55	1.000
	2N4273	NS 605	66	TEC,HUG	175	140	9.0	2.500	25.000	C	175C	10.000 G	100NA	50	5	1.000
	2N4274	PS 170 F		FSC,NSC,TEC,HUG	30	15	4.5	.100	.280	A	125J	400.000 G	10UA	20	66	.010
	2N4275	NS 170 F		FSC,NSC,TEC,HUG	40	12	4.5	.100	.280	A	125J	400.000 G	10UA	20	66	.010
	2N4276	PG 605	3	MOT	30	20	20.0	60.000	170.000	C	110J	.002 E	4MA	30	90	15.000
	2N4277	PG 605	3	MOT	30	20	20.0	60.000	170.000	C	110J	.002 E	4MA	30	124	15.000
	2N4278	PG 605	3	MOT	45	30	25.0	60.000	170.000	C	110J	.002 E	4MA	45	90	15.000
	2N4279	PG 605	3	MOT	45	30	25.0	60.000	170.000	C	110J	.002 E	4MA	45	124	15.000
	2N4280	PG 605	3	MOT	60	45	30.0	60.000	170.000	C	110J	.002 E	4MA	60	90	15.000
	2N4281	PG 605	3	MOT	60	45	30.0	60.000	170.000	C	110J	.002 E	4MA	60	124	15.000
	2N4282	PG 605	3	MOT	75	60	40.0	60.000	170.000	C	110J	.002 E	4MA	75	90	15.000
	2N4283	PG 605	3	MOT	75	60	40.0	60.000	170.000	C	110J	.002 E	4MA	75	124	15.000
	2N4284	PS 51 A		NSC	25	25	25.0	.050	.250	A	150J	7.000 G	100NA	10	73	.001
	2N4285	PS 51 A		NSC	35	35	35.0	.050	.250	A	150J	7.000 G	10NA	10	73	.001
	2N4286	NS 51 A		NSC	30	25	6.0	.100	.250	A	150J	40.000 G	50NA	25	300	.001
	2N4287	NS 51 A		NSC	45	45	7.0	.100	.250	A	150J	40.000 G	10NA	30	300	.001
	2N4288	PS 51 A		NSC	30	25	6.0	.100	.250	A	150J	40.000 G	50NA	25	300	.001
	2N4289	PS 51 A		NSC	60	45	7.0	.100	.250	A	150J	40.000 G	10NA	45	300	.001
	2N4290	PS 51 A		NSC	30	20	5.0	.600	.250	A	150J	100.000 G	500NA	20	125	.100
	2N4291	PS 51 A		NSC	40	30	6.0	.600	.250	A	150J	100.000 G	200NA	30	175	.100
	2N4292	NS 51 A		NSC	30	15	3.0	.050	.200	A	150J	600.000 G	500NA	15	30	.003
	2N4293	NS 51 A		NSC	30	15	3.0	.050	.200	A	150J	600.000 G	500NA	15	30	.003
	2N4294	NS 51 A		NSC	30	12	4.5	.200	.200	A	150J	400.000 G	400NA	20	60	.010
	2N4295	NS 51 A		NSC	40	15	5.0		.200	A	150J	500.000 G	100NA	20	70	.010
-	2N4296	NS 605	66	RCA	350	250	4.0	1.000	20.000	C	175J	20.000 G	100UA	350	80	.050
-	2N4297	NS 605	66	RCA	350	250	4.0	1.000	20.000	C	175J	20.000 G	100UA	350	100	.050
-	2N4298	NS 605	66	RCA	500	350	4.0	1.000	20.000	C	175J	20.000 G	100UA	500	30	.050
-	2N4299	NS 605	66	RCA	500	350	4.0	1.000	20.000	C	175J	20.000 G	100UA	500	80	.050
	2N4300	NS 211	5	TII,SOL,TEC,HUG,TIL	100	80	8.0	2.000	15.000	C	200J	30.000 G	1UA	40	60	1.000
	2N4301	NS 561	61	TII,TEC,TIL,SOL	100	80	8.0	10.000	50.000	C	200J	40.000 G	10UA	40	60	5.000
	2N4305	NS 211	5	TRW,HUG	120	80	6.0	5.000	1.500	A	200J	100.000 G	10UA	120	88	1.000
	2N4306	NS 905 A		TRW	120	80	6.0	5.000	30.000	C	200J	100.000 G	10UA	120	88	1.000
	2N4307	NS 211	5	TRW,HUG	100	60	6.0	5.000	.500	A	200J	100.000 G	10UA	100	88	1.000
	2N4308	NS 905 A		TRW	100	60	6.0	5.000	30.000	C	200J	100.000 G	10UA	100	88	1.000
	2N4309	NS 211	5	TRW,HUG	120	80	6.0	5.000	.500	A	200J	100.000 G	10UA	120	88	1.000
	2N4310	NS 905 A		TRW	120	80	6.0	5.000	30.000	C	200J	100.000 G	10UA	120	70	1.000
	2N4311	NS 211	5	TRW,HUG	100	60	6.0	5.000	1.500	A	200J	100.000 G	10UA	100	70	1.000
	2N4312	NS 905 A		TRW	100	60	6.0	5.000	30.000	C	200J	100.000 G	10UA	100	70	1.000
	2N4313	PS 173	106	FSC	12	12	4.5	.100	.200	A	125J	700.000 G	50NA	10	55	.100
	2N4314	PS 211	5	RCA	90	65	7.0	1.000	1.000	A	200J	60.000 G	250NA	60	112	.150
	2N4346	PS 605	3	RCA	320		2.0	10.000	5.000	C	85J	HORAMP	200UA	10	25	6.000
	2N4347	NS 605	3	RCA,WHE,SOL	140	120	7.0	5.000	100.000	C	200J	AUD	2MA	120	38	2.000
	2N4348	NS 605	3	RCA,MOT,WHE,SOL	140	120	7.0	10.000	120.000	C	200J	AUD	2MA	120	30	5.000
	2N4350			SEE RF POWER SECTION												
	2N4354	PS 173 A		FSC	60	60	5.0	.500	.350	A	125J	100.000 G	50NA	50	175	.010
	2N4355	PS 173 A		FSC	60	60	5.0	.500	.350	A	125J	100.000 G	50NA	50	200	.010
	2N4356	PS 173 A		FSC	80	80	5.0	.500	.350	A	125J	100.000 G	50NA	50	112	.010
	2N4357	PS 211	18	FSC	240	240	6.0	.100	.400	A	200J	40.000 G	20NA	200	155	.010
	2N4358	PS 211	39	FSC	240	240	6.0	.100	.700	A	200J	40.000 G	20NA	200	155	.010
	2N4359	PS 211	18	FSC,HUG	45	45	5.0	.050	.360	A	200J	20.000 G	10NA	25	200	.001
	2N4383	NS 210	5	SPR,HUG	40	30	5.0	.800	.800	A		30.000 G	10NA	30	350	.010
	2N4384	NS 210	18	SPR,HUG	40	30	5.0	.800	.500	A		30.000 G	10NA		350	.010
	2N4385	NS 210	5	SPR,HUG	40	30	5.0	.800	.800	A		30.000 G	10NA		250	.010
	2N4386	NS 210	18	SPR,HUG	40	30	5.0	.800	.500	A		30.000 G	10NA	30	250	.010
	2N4387	PS 605	66	TEC,HUG,SOL	40	40	5.0	2.000	20.000	C	200J	25.000 G	10UA	40	50	.500
	2N4388	PS 605	66	TEC,HUG,SOL	60	60	5.0	.100	20.000	C	200J	25.000 G	10UA	60	50	.500
-	2N4389	PS 173	106	FSC	12	12	4.0	.100	.200	A	125J	400.000 G	100NA	6	75	.010
	2N4390	NS 211	104	RCA	120	120	6.0		.500	A	175J	50.000 G	1UA	70	40	.020
-	2N4397	NS 218	104	RCA	40	40	3.0		.200	A	200J	600.000 G	20NA	10	86	.002
	2N4398	PS 605	3	MOT,TII,TIL	40	40	5.0	30.000	200.000	C	200J	4.000 G	1MA	40	30	15.000
	2N4399	PS 605	3	MOT,TII,TIL	60	60	5.0	30.000	200.000	C	200J	4.000 G	1MA	60	30	15.000
	2N4400	NS 41	92	MOT	60	40	6.0	.600	.310	A	135J	200.000 G	100NA	35	88	.150
	2N4401	NS 41	92	MOT	60	40	6.0	.600	.310	A	135J	250.000 G	100NA	35	176	.150
	2N4402	PS 41	92	MOT	40	40	5.0	.600	.310	A	135J	150.000 G	100NA	35	88	.150
	2N4403	PS 41	92	MOT	40	40	5.0	.600	.310	A	135J	200.000 G	100NA	35	88	.150
	2N4404	PS 210	39	MOT	80	80	5.0	1.000	1.250	A	200J	200.000 G	25NA	60	70	.150
	2N4405	PS 210	39	MOT	80	80	5.0	1.000	1.250	A	200J	200.000 G	25NA	60	175	.150
	2N4406	PS 210	39	MOT	80	80	5.0	2.000	1.250	A	200J	150.000 G	25NA	60	50	.150
	2N4407	PS 210	39	MOT	80	80	5.0	2.000	1.250	A	200J	150.000 G	25NA	60	131	.150
	2N4409	NS 41	92	MOT	80	50	5.0	.250	.310	A	135J	60.000 G	10NA	60	160	.010
	2N4410	NS 41	92	MOT	120	80	5.0	.250	.310	A	135J	60.000 G	10NA	100	160	.010
	2N4411	PS 217	72	MOT	15	12	5.0	.025	.150	A	200J	400.000 G	5NA	6	80	.001
	2N4412	PS 210	5	SPR,HUG	40	30	5.0	.600	.600	A	200J	20.000 G	10NA	30	300	.001
	2N4412A	PS 210	5	SPR,HUG	60	60	5.0	.600	.600	A	200J	20.000 G	10NA	30	300	.001
	2N4413	PS 210	18	SPR,HUG	40	30	5.0	.600	.400	A	200J	20.000 G	10NA	30	300	.001
	2N4413A	PS 210	18	SPR,HUG	60	60	5.0	.600	.400	A	200J	20.000 G	10NA	30	300	.001
	2N4414	PS 210	5	SPR,HUG	40	30	5.0	.600	.600	A	200J	20.000 G	10NA	30	200	.001
	2N4414A	PS 210	5	SPR,HUG	60	60	5.0	.600	.600	A	200J	20.000 G	10NA	30	200	.001
	2N4415	PS 210	18	SPR,HUG	40	30	5.0	.600	.400	A	200J	20.000 G	10NA	30	200	.001
	2N4415A	PS 210	18	SPR,HUG	60	60	5.0	.600	.400	A	200J	20.000 G	10NA	30	200	.001
	2N4418	NS 168 A		TII	40	15	4.5	.200	.250	A	125J	500.000 G	400NA	20	70	.010
	2N4419	NS 168 A		TII	30	12	4.5	.200	.250	A	125J	400.000 G	400NA	20	60	.010
	2N4420	NS 168 A		TII	40	20	5.0	.200	.250	A	125J	350.000 G	500NA	20	60	.030
	2N4421	NS 168 A		TII	30	12	5.0	.200	.250	A	125J	300.000 G	500NA	20	50	.030
	2N4422	NS 168 A		TII	40	15	5.0	.200	.250	A	125J	350.000 G	500NA	20	60	.030
-	2N4423	PS 168 A		TII	12	12	4.0	.200	.250	A	125J	400.000 G	80NA	6	78	.030
	2N4424	NS 45	98	SPR,GEC,HUG	40	40	5.0	.500	.360	A	150J		100NA	40	312	.002
	2N4425	NS 45 B		SPR,GEC,HUG	40	40	5.0	.500	.560	A	150J		100NA	40	312	.002
	2N4427			SEE RF POWER SECTION												
	2N4428			SEE RF POWER SECTION												
	2N4429			SEE RF POWER SECTION												
	2N4430			SEE RF POWER SECTION												
	2N4431			SEE RF POWER SECTION												
	2N4433	NS 218	72	AMP		50		.030	.165	A		200.000 G		8		
	2N4436	NS 173	106	FSC	60	30	5.0	.500	.200	A	125J	150.000 G	50NA	50	70	.150
	2N4437	NS 173	106	FSC	60	30	5.0	.500	.200	A	125J	250.000 G	50NA	50	175	.150
-	2N4438	NS 211	39	FSC	300	300	8.0	.200	1.000	A	200J	30.000 G	1UA	200	160	.050
-	2N4439	NS 211	39	FSC	300	300	8.0	.200	1.000	A	200J	30.000 G	1UA	200	70	.050
	2N4440			SEE RF POWER SECTION												
	2N4862	NS 211	46	SOL,HUG	140	120	8.0	2.000	4.000	H	200J	50.000 G	100NA	60	88	.500
	2N4863	NS 211	5	SOL,HUG	140	120	8.0	2.000	4.000	H	200J	50.000 G	100NA	60	88	.500
	2N4864	NS 605	66	SOL,TEC,HUG	140	120	8.0	2.000	16.600	H	200J	50.000 G	100NA	60	88	.500
	2N4865	NS 561	114	SOL,TEC,HUG	100	80	8.0	90.000	200.000	H	200J		1UA	60	20	70.000
	2N4866	NS 561	114	SOL,TEC,HUG	140	120	8.0	90.000	200.000	H	200J		1UA	60	20	70.000
	2N4872	PS 211	18	FSC	12	12	4.5	.050	.300	A	200J	900.000 G	10NA	6	65	.010
	2N4873	NS 211	18	FSC	40	15	4.5	.200	.360	A	200J	700.000 G	400NA	20	120	.010
	2N4874			SEE RF POWER SECTION												
	2N4875			SEE RF POWER SECTION												

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2N4876			SEE RF POWER SECTION												
	2N4877	NS 211	39	MOT	70	60	5.0	30.000	10.000	C	200J		30.000	G	100UA 70	45 4.000
	2N4888	PS 173 A		FSC	150	150	6.0		.300	A	125J		40.000	G	50NA 100	55 .010
	2N4889	PS 173 A		FSC	150	150	6.0		.300	A	125J		40.000	G	10NA 100	150 .010
	2N4890	PS 210	5	MOT	60	40	5.0	.700	1.000	A	200J		100.000	G	250NA 60	110 .150
	2N4895	NS 211	39	FSC,SOL,HUG	120	60	6.0	5.000	.800	A	200J		50.000	G	1UA 60	75 2.000
	2N4896	NS 211	39	FSC,SOL,HUG	120	60	6.0	5.000	.800	A	200J		80.000	G	1UA 60	150 2.000
	2N4897	NS 211	39	FSC,SOL,HUG	150	80	6.0	5.000	.800	A	200J		50.000	G	1UA 100	75 2.000
	2N4898	PS 605	66	MOT,SOL	40	40	5.0	4.000	25.000	C	200J		3.000	G	100UA 40	46 .500
	2N4899	PS 605	66	MOT,SOL	60	60	5.0	4.000	25.000	C	200J		3.000	G	100UA 60	46 .500
	2N4900	PS 605	66	MOT,SOL	80	80	5.0	4.000	25.000	C	200J		3.000	G	100UA 80	46 .500
	2N4901	PS 605	3	MOT,TII,SOL,TIL	40	40	5.0	5.000	87.500	C	200J		4.000	G	100UA 40	40 1.000
	2N4902	PS 605	3	MOT,TII,SOL,TIL	60	60	5.0	5.000	87.500	C	200J		4.000	G	100UA 60	40 1.000
	2N4903	PS 605	3	MOT,TII,TIL,SOL	80	80	5.0	5.000	87.500	C	200J		4.000	G	100UA 80	40 1.000
	2N4904	PS 605	3	MOT,TII,SOL,TIL	40	40	5.0	5.000	87.500	C	200J		4.000	G	100UA 40	50 2.500
	2N4905	PS 605	3	MOT,TII,SOL,TIL	60	60	5.0	5.000	87.500	C	200J		4.000	G	100UA 60	50 2.500
	2N4906	PS 605	3	MOT,TII,SOL,TIL	80	80	5.0	5.000	87.500	C	200J		4.000	G	100UA 80	50 2.500
	2N4907	PS 605	3	MOT,SOL	40	40	5.0	10.000	150.000	C	200J		4.000	G	2MA 40	40 4.000
	2N4908	PS 605	3	MOT,SOL	60	60	5.0	10.000	150.000	C	200J		4.000	G	2MA 60	40 4.000
	2N4909	PS 605	3	MOT,SOL	80	80	5.0	10.000	150.000	C	200J		4.000	G	2MA 80	40 4.000
	2N4910	NS 605	66	MOT,SOL	40	40	5.0	1.000	25.000	C	200J		3.000	G	100UA 40	46 .500
	2N4911	NS 605	66	MOT,SOL	60	60	5.0	1.000	25.000	C	200J		3.000	G	100UA 60	46 .500
	2N4912	NS 605	66	MOT,SOL	80	80	5.0	1.000	25.000	C	200J		3.000	G	100UA 80	46 .500
	2N4913	NS 605	3	MOT,TII,HUG,TIL,SOL	40	40	5.0	5.000	87.500	C	200J		4.000	G	1MA 40	50 2.500
	2N4914	NS 605	3	MOT,TII,HUG,TIL,SOL	60	60	5.0	5.000	87.500	C	200J		4.000	G	1MA 60	50 2.500
	2N4915	NS 605	3	MOT,TII,TIL,SOL	80	80	5.0	5.000	87.500	C	200J		4.000	G	1MA 80	50 2.500
	2N4916	PS 173	106	FSC	30	30	5.0	.100	.200	A	125J		400.000	G	25NA 15	150 .010
	2N4917	PS 173	106	FSC	30	30	5.0	.100	.200	A	125J		450.000	G	25NA 15	200 .010
	2N4918	PS 48 A		MOT	40	40	5.0	3.000	30.000	C	150J		3.000	G	100UA 40	46 .500
	2N4919	PS 48 A		MOT	60	60	5.0	3.000	30.000	C	150J		3.000	G	100UA 60	46 .500
	2N4920	PS 48 A		MOT	80	80	5.0	3.000	30.000	C	150J		3.000	G	100UA 80	46 .500
	2N4921	NS 48 A		MOT	40	40	5.0	3.000	30.000	C	150J		3.000	G	100UA 40	46 .500
	2N4922	NS 48 A		MOT	60	60	5.0	3.000	30.000	C	150J		3.000	G	100UA 60	46 .500
	2N4923	NS 48 A		MOT	80	80	5.0	3.000	30.000	C	150J		3.000	G	100UA 80	46 .500
	2N4924	NS 211	39	MOT	100	100	5.0	.200	1.000	A	200C		100.000	G	100NA 50	90 .150
	2N4925	NS 211	39	MOT	150	150	5.0	.200	1.000	A	200C		100.000	G	100NA 75	90 .150
	2N4926	NS 211	39	MOT	200	200	7.0	.050	5.000	C	200C		30.000	G	100NA 100	70 .030
	2N4927	NS 211	39	MOT	250	250	7.0	.050	5.000	C	200C		30.000	G	100NA 150	70 .030
	2N4928	PS 211	5	MOT	100	100	4.0	.100	.600	A	200C		100.000	G	500NA 50	75 .010
	2N4929	PS 211	5	MOT	150	150	4.0	.500	1.000	A	200C		100.000	G	500NA 75	75 .010
	2N4930	PS 211	5	MOT	200	200	4.0	.500	1.000	A	200C		20.000	G	1UA 150	70 .010
	2N4931	PS 211	5	MOT	250	250	4.0	.500	1.000	A	200C		20.000	G	1UA 150	70 .010
	2N4932			SEE RF POWER SECTION												
	2N4933			SEE RF POWER SECTION												
-	2N4934	NS 218	104	RCA	40	40	3.0		.200	A	200J		700.000	G	10NA 15	80 .002
-	2N4935	NS 218	104	RCA	40	40	3.0		.200	A	200J		700.000	G	10NA 15	110 .002
-	2N4936	NS 218	104	RCA	50	30	3.0		.200	A	200J		700.000	G	10NA 15	120 .002
	2N4943	NS 211	5	NSC	120	80	7.0	1.000	.800	A	200J		150.000	G	10NA 60	175 .150
	2N4944	NS 173	106	FSC	80	40	5.0		.220	A	125J		60.000	G	50NA 40	80 .150
	2N4945	NS 173	106	FSC	80	60	5.0		.220	A	125J		60.000	G	50NA 40	80 .150
	2N4946	NS 173	106	FSC	80	40	5.0		.220	A	125J		60.000	G	50NA 40	150 .150
	2N4950	NS 563	114	SPC,STC	80	60	10.0	70.000	300.000	C	200J		.100	G	2MA 60	15 50.000
	2N4951	NS 45	98	SPR,HUG	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	110 .150
	2N4952	NS 45	98	SPR,HUG	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	176 .150
	2N4953	NS 45	98	SPR,HUG	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	350 .150
	2N4954	NS 45	98	SPR,HUG	40	30	5.0	.500	.360	A	150J		250.000	G	50NA 30	210 .150
	2N4957	PS 217	72	MOT	30	30	3.0	.030	.200	A	200J		1200.000	G	100NA 20	40 .002
	2N4958	PS 217	72	MOT	30	30	3.0	.030	.200	A	200J		1000.000	G	100NA 20	40 .002
	2N4959	PS 217	72	MOT	30	30	3.0	.030	.200	A	200J		1000.000	G	100NA 20	40 .002
	2N4960	NS 211	39	FSC	60	60	6.5		.800	A	200J		250.000	G	10NA 50	100 .150
	2N4961	NS 211	39	FSC	80	80	6.5		.800	A	200J		250.000	G	10NA 50	100 .150
	2N4962	NS 211	18	FSC	60	60	6.5		.500	A	200J		250.000	G	10NA 50	100 .150
	2N4963	NS 211	18	FSC	80	80	6.5		.500	A	200J		250.000	G	10NA 50	100 .150
	2N4964	PS 173	106	NSC	50	40	5.0	.100	.200	A	125J		60.000	G	25NA 20	60 .001
	2N4965	PS 173	106	NSC	50	40	5.0	.100	.200	A	125J		60.000	G	25NA 20	180 .001
	2N4966	NS 173	106	NSC	50	40	6.0	.030	.200	A	125J		40.000	G	25NA 25	90 .001
	2N4967	NS 173	106	NSC	50	40	6.0	.030	.200	A	125J		40.000	G	25NA 25	250 .001
	2N4968	NS 173	106	NSC	30	25	6.0	.030	.200	A	125J		40.000	G	50NA 25	90 .001
	2N4969	NS 173	106	NSC	50	30	5.0	.500	.200	A	125J		150.000	G	50NA 30	70 .150
	2N4970	NS 173	106	NSC	50	30	5.0	.500	.200	A	125J		200.000	G	50NA 30	188 .150
	2N4971	PS 173	106	NSC	50	40	5.0	.500	.200	A	125J		200.000	G	25NA 30	70 .150
	2N4972	PS 173	106	NSC	50	40	5.0	.500	.200	A	125J		200.000	G	25NA 30	175 .150
	2N4980	PS 211	46	NSC	30	30	30.0	.100	.400	A	200J		10.000	G	1NA 30	135 .001
	2N4981	PS 211	46	NSC	50	50	50.0	.100	.400	A	200J		5.000	G	3NA 50	90 .001
	2N4982	PS 211	46	NSC	70	70	70.0	.100	.400	A	200J		3.000	G	5NA 70	68 .001
	2N4994	NS 168 A		TII	60	45	4.0	.030	.360	A	150J		200.000	G	100NA 30	80 .010
	2N4995	NS 168 A		TII	60	45	4.0	.030	.360	A	150J		200.000	G	100NA 30	200 .010
	2N4996	NS 168 A		TII,TIL	30	18	4.0	.050	.250	A	150J		600.000	G	100NA 15	75 .002
	2N4997	NS 168 A		TII,TIL	30	18	4.0	.050	.250	A	150J		600.000	G	100NA 15	68 .002
	2N4998	NS 560	59	FSC,SOL		100S	6.0	2.000	30.000	H	200J		50.000	G	1UA 60	63 1.000
	2N4999	PS 560	50	FSC,SOL	100	80	5.5	5.000	50.000	H	200J		60.000	G	1UA 60	50 2.500
	2N5000	NS 560	59	FSC,SOL		100S	6.0	2.000	30.000	H	200J		60.000	G	1UA 60	110 1.000
	2N5001	PS 560	50	FSC,SOL	100	80	5.5	5.000	50.000	H	200J		70.000	G	1UA 60	114 2.500
	2N5002	NS 560	59	FSC,SOL		100S	6.0	5.000	50.000	H	200J		60.000	G	1UA 60	64 2.500
	2N5003	PS 560	50	FSC,SOL	100	80	5.5	2.000	30.000	H	200J		50.000	G	1UA 60	40 1.000
	2N5004	NS 560	59	FSC,SOL		100S	6.0	5.000	50.000	H	200J		70.000	G	1UA 60	114 2.500
	2N5005	PS 560	50	FSC,SOL	100	80	5.5	2.000	30.000	H	200J		60.000	G	1UA 60	88 1.000
	2N5006	NS 560	61	FSC,SOL		100S	6.0	10.000	100.000	H	200J		30.000	G	1MA 60	42 5.000
	2N5007	PS 560	61	FSC,SOL	100	80	5.5	10.000	100.000	H	200J		30.000	G	1UA 60	52 5.000
	2N5008	NS 560	61	FSC,SOL		100S	6.0	10.000	100.000	H	200J		40.000	G	1UA 60	108 5.000
	2N5009	PS 560	61	FSC,SOL	100	80	5.5	10.000	100.000	H	200J		30.000	G	1UA 60	120 5.000
	2N5010	NS 211	5	STC	500	500R	5.0	.500	2.000	H	200S		20.000	G	6UA 400	75 .025
	2N5011	NS 211	5	STC	600	600R	5.0	.500	2.000	H	200S		20.000	G	6UA 500	75 .025
	2N5012	NS 211	5	STC	700	700R	5.0	.500	2.000	H	200S		20.000	G	6UA 580	75 .025
	2N5013	NS 211	5	STC	800	800R	5.0	.500	2.000	H	200S		20.000	G	12UA 650	75 .020
	2N5014	NS 211	5	STC	900	900R	5.0	.500	2.000	H	200S		20.000	G	12UA 700	75 .020
	2N5015	NS 211	5	STC	999	999R	5.0	.500	2.000	H	200S		20.000	G	12UA 760	75 .020
	2N5016			SEE RF POWER SECTION												
-	2N5017	NS 970 A		RCA		65X	4.0	4.500	30.000	C	200J		600.000	G	10MA 30	4
	2N5022	PS 211	39	FSC,RAY	50	50	5.0	1.000	1.000	A	200J		170.000	G	100NA 30	45 .500
	2N5023	PS 211	39	FSC,RAY	30	30	5.0	1.000	1.000	A	200J		200.000	G	100NA 20	60 .500
	2N5025			SEE RF POWER SECTION												
	2N5026			SEE RF POWER SECTION												
	2N5027	NS 45	98	GEC	60	30	5.0	.350	.320	A	120J		250.000	G	100NA 40	88 .150
	2N5028	NS 45	98	GEC	60	30	5.0	.350	.320	A	120J		250.000	G	100NA 40	176 .150
	2N5029	NS 45	98	GEC	60	15	4.5	.200	.320	A	120J		500.000	G	250NA 20	70 .010
	2N5030	NS 45	98	GEC	30	12	4.0	.200	.320	A	120J		400.000	G	250NA 20	60 .010
	2N5031	NS 217	72	MOT	15	10	3.0	.020	.200	A	200A		1000.000	G	10NA 6	100 .001
	2N5032	NS 217	72	MOT	15	10	3.0	.020	.200	A	200A		1000.000	G	10NA 6	100 .001
	2N5034	NS 980 A		RCA,WHE	55	40	5.0	6.000	83.000	C	150J		.800	G	1MA 35	40 4.000
	2N5035	NS 981 A		RCA	55	40	5.0	6.000	83.000	C	150J		.800	G	1MA 35	40 4.000
	2N5036	NS 980 A		RCA,WHE	70	50	5.0	8.000	83.000	C	150J		.800	G	1MA 35	40 5.000
	2N5037	NS 981 A		RCA	70	50	5.0	8.000	83.000	C	150J		.800	G	1MA 50	40 5.000
	2N5038	NS 605	3	RCA,WHE	150	90	7.0	20.000	140.000	C	200J		60.000	G	20MA 70	100 2.000
	2N5039	NS 605	3	RCA,WHE	120	75	7.0	20.000	140.000	C	200J		60.000	G	20MA 55	68 2.000
	2N5040	PS 173	105	FSC	25	25	4.0		.300	A	125J		80.000	G	50NA 15	75 .500
	2N5041	PS 173	105	FSC	40	40	5.0		.300	A	125J		100.000	G	50NA 30	65 .500
	2N5042	PS 211	39	FSC	40	40	5.0		.800	A	200J		100.000	G	50NA 30	75 .150
	2N5043	PG 217	72	TII	15	7	.3	.030	.030	A	125J		1500.000	G	6UA 10	53 .003
	2N5044	PG 217	72	TII	15	7	.3	.030	.030	A	125J		1500.000	G	6UA 10	53 .003
-	2N5048	NS 561	61	GEC	60	50	14.0	10.000	100.000	C	175J		10.000	G	10MA 60	30 10.000
-	2N5049	NS 561	61	GEC	120	100	14.0	10.000	100.000	C	175J		10.000	G	1MA 120	30 10.000
	2N5050	NS 605	66	MOT	125	125	6.0	2.000	40.000	C	175J		10.000	G	500UA 125	50 .750
	2N5051	NS 605	66	MOT	150	150	6.0	2.000	40.000	C	175J		10.000	G	500UA 150	50 .750
	2N5052	NS 605	66	MOT	200	200	6.0	2.000	40.000	C	175J		10.000	G	500UA 200	50 .750
	2N5053	NS 217	72	AMP	30	15	3.0	.025	.200	A	200J		1300.000	G	10NA 15	52 .025
	2N5054	NS 217	72	AMP	30	15	3.0	.025	.200	A	200J		1500.000	G	10NA 15	52 .025
	2N5055	PS 173	106	FSC	12	12	4.5	.100	.200	A	125J		550.000	G	50NA 10	55 .100
	2N5056	PS 211	18	FSC	15	15	4.5	.100	.360	A	200J		600.000	G	50NA 10	55 .030

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}	h_{FE} @	I_C(A)
	2N5057	PS 211	18	FSC	15	15	4.5	.100	.360	A	200J		800.000	G	50NA 10	65 .030
	2N5058	NS 211	5	TII	300	300	7.0	.150	1.000	A	175J		30.000	G	50NA 100	73 .030
	2N5059	NS 211	5	TII	250	250	6.0	.150	1.000	A	175J		30.000	G	50NA 100	68 .030
	2N5065	NS 211 K		FSC	25	15	4.0	1.000	.600	A	200J		500.000	G	8UA 15	88 .300
	2N5066	NS 211	46	CRY	30	20	30.0	.100	.400	A	200J		5.000	G	1NA 30	6 .001
	2N5067	NS 605	3	MOT,HUG	40	40	5.0	5.000	87.500	C	200J		4.000	G	1MA 40	40 1.000
	2N5068	NS 605	3	MOT,HUG	60	60	5.0	5.000	87.500	C	200J		4.000	G	1MA 60	40 1.000
	2N5069	NS 605	3	MOT,HUG	80	80	5.0	5.000	87.500	C	200J		4.000	G	1MA 80	40 1.000
	2N5070			SEE RF POWER SECTION												
	2N5071			SEE RF POWER SECTION												
	2N5074	NS 560	59	SOL	200	200	6.0	3.000	40.000	H	200J		40.000	G	250NA 200	58 .500
	2N5075	NS 560	59	SOL	200	200	6.0	3.000	40.000	H	200J		40.000	G	250NA 200	152 .500
	2N5076	NS 560	59	SOL	250	250	6.0	3.000	40.000	H	200J		40.000	G	250NA 250	58 .500
	2N5077	NS 560	59	SOL	250	250	6.0	3.000	40.000	H	200J		40.000	G	250NA 250	152 .500
	2N5083	NS 560	59	FSC	120	60	6.0	10.000	35.000	C	200J		50.000	G	1MA 120	70 2.000
	2N5084	NS 560	59	FSC	120	60	6.0	10.000	35.000	C	200J		80.000	G	1MA 120	175 2.000
	2N5085	NS 560	59	FSC	150	80	6.0	10.000	35.000	C	200J		50.000	G	1MA 150	70 2.000
	2N5086	PS 41	92	MOT	50	50	3.0	.050	.310	A	135J		40.000	G	50NA 35	276 .001
	2N5087	PS 41	92	MOT	50	50	3.0	.050	.310	A	135J		40.000	G	50NA 35	450 .001
	2N5088	NS 41	92	MOT	35	30	4.5	.050	.310	A	135J		50.000	G	50NA 20	524 .001
	2N5089	NS 41	92	MOT	30	25	4.5	.050	.310	A	135J		50.000	G	50NA 15	700 .001
	2N5090			SEE RF POWER SECTION												
	2N5092	NS 211	5	STC	400	350	6.0	1.000	2.000	H	175A		50.000	G	500NA 300	75 .100
	2N5095	NS 211	5	STC	500	400	6.0	1.000	2.000	H	175A		50.000	G	500NA 400	75 .100
	2N5097	NS 211	5	STC	600	450	6.0	1.000	2.000	H	175A		50.000	G	500NA 500	75 .100
	2N5098	NS 211	5	STC	700	500	6.0	1.000	2.000	H	175A		50.000	G	500NA 550	75 .100
	2N5099	NS 211	5	STC	800	550	6.0	1.000	2.000	H	175A		50.000	G	500NA 600	75 .100
	2N5101	NS 635 B		STC	500	400	6.0	1.000	10.000	H	175A		50.000	G	500NA 400	75 .100
	2N5102			SEE RF POWER SECTION												
	2N5106	NS 210	39	FSC	60	30	5.0	.500	.800	A	200J		250.000	G	10NA 50	175 .150
	2N5107	NS 210	18	FSC	60	30	5.0	.500	.360	A	200J		250.000	G	10NA 50	175 .150
	2N5108			SEE RF POWER SECTION												
	2N5108A			SEE RF POWER SECTION												
	2N5109			SEE RF POWER SECTION												
-	2N5110	PS 211	5	STC	40	40	10.0	1.000	5.000	C	175J		1.000	G	100UA 20	12 1.000
-	2N5111	PS 211	5	STC	80	80	10.0	1.000	5.000	C	175J		1.000	G	100UA 40	12 1.000
-	2N5112	PS 561	59	STC	40	40	10.0	1.000	34.000	C	175J		1.000	G	100UA 20	12 1.000
-	2N5113	PS 561	59	STC	80	80	10.0	1.000	34.000	C	175J		1.000	G	100UA 40	12 1.000
	2N5126	NS 173	106	FSC,NSC	20	20	3.0		.200	A	125J		300.000	G	50NA 10	70 .004
	2N5127	NS 173	106	FSC,NSC	20	12	3.0		.200	A	125J		150.000	G	50NA 10	70 .015
	2N5128	NS 173	105	FSC,NSC	15	12	3.0		.300	A	125J		150.000	G	50NA 10	75 .005
	2N5129	NS 173	106	FSC,NSC	15	12	3.0		.200	A	125J		150.000	G	50NA 10	75 .050
	2N5130	NS 173	106	FSC,NSC	30	12	1.0		.200	A	125J		450.000	G	50NA 10	50 .008
	2N5131	NS 173	106	FSC,NSC	20	15	3.0		.200	A	125J		100.000	G	50NA 10	150 .010
	2N5132	NS 173	106	FSC,NSC	20	20	3.0		.200	A	125J		200.000	G	50NA 10	130 .010
	2N5133	NS 173	106	FSC,NSC	20	18	3.0		.200	A	125J		40.000	G	50NA 15	220 .001
	2N5134	NS 173	106	FSC	20	10	3.5	.100	.200	A	125J		400.000	G	400NA 15	66 .010
	2N5135	NS 173	105	FSC,NSC	30	25	4.0		.300	A	125J		40.000	G	300NA 15	400 .010
	2N5136	NS 173	105	FSC,NSC	30	20	3.0		.300	A	125J		40.000	G	100NA 20	100 .150
	2N5137	NS 173	106	FSC,NSC	30	20	3.0		.220	A	125J		40.000	G	100NA 20	100 .150
	2N5138	PS 173	106	FSC,NSC	30	30	5.0		.200	A	125J		30.000	G	10NA 20	120 .010
	2N5139	PS 173	106	FSC,NSC	20	20	5.0	.100	.200	A	125J		300.000	G	50NA 15	150 .010
	2N5140	PS 173	106	FSC	5	5	4.0	.050	.200	A	125J		400.000	G	50NA 3	50 .010
	2N5141	PS 173	106	FSC	6	6	4.0	.100	.200	A	125J		300.000	G	100NA 4	55 .100
	2N5142	PS 173	105	FSC,NSC	20	20	4.0	.500	.300	A	125J		100.000	G	35NA 12	50 .300
	2N5143	PS 173	106	FSC,NSC	20	20	4.0	.500	.200	A	125J		100.000	G	35NA 12	50 .300
	2N5144	NS 211	18	FSC	50	30	6.0	.500	.360	A	200J		300.000	G	250NA 40	90 .100
	2N5145	NS 211	39	FSC	50	30	6.0	.500	.800	A	200J		300.000	G	250NA 40	90 .100
	2N5147	PS 211	39	FSC,HUG,SOL	100	80	5.5	2.000	1.000	A	200J		50.000	G	1MA 100	52 1.000
	2N5148	NS 211	39	FSC,SOL,HUG		100S	6.0	2.000	1.000	A	200J		50.000	G	1UA 60	63 1.000
	2N5149	PS 211	39	FSC,SOL	100	80	5.5	2.000	1.000	A	200J		60.000	G	1MA 100	120 1.000
	2N5150	NS 211	39	FSC,SOL,HUG		100S	6.0	2.000	1.000	A	200J		60.000	G	1UA 60	110 1.000
	2N5151	PS 211	39	FSC,HUG,SOL		100S	5.5	5.000	1.000	A	200J		60.000	G	1UA 60	50 2.500
	2N5152	NS 211	39	FSC,SOL,HUG		100S	6.0	5.000	1.000	A	200J		60.000	G	1UA 60	64 2.500
	2N5153	PS 211	39	FSC,HUG,SOL		100S	5.5	5.000	1.000	A	200J		70.000	G	1UA 60	114 2.500
	2N5154	NS 211	39	FSC,SOL,HUG		100S	6.0	5.000	1.000	A	200J		70.000	G	1UA 60	114 2.500
	2N5155	PG 605	3	DEL,MOT,SOL	140	120	1.5	25.000	106.000	C	110J		.100	G	10MA 140	50 8.000
	2N5156	PG 605	3	DEL,SOL,MOT	100	60	60.0	10.000					.320	G	4MA 100	40 5.000
	2N5157	NS 605	3	DEL,SOL		500	5.0	3.500					4.000	G	250UA 500	52 1.000
	2N5160			SEE RF POWER SECTION												
	2N5161			SEE RF POWER SECTION												
	2N5162			SEE RF POWER SECTION												
	2N5172	NS 45	98	GEC,SPR	25	25	5.0	.100	.200	A	100J		120.000	G	100NA 25	224 .010
	2N5174	NS 45	98	GEC	90	75	5.0	.025	.200	A	100J				500NA 60	190 .010
	2N5175	NS 45	98	GEC	130	100	5.0	.025	.200	A	100J				500NA 60	96 .010
	2N5176	NS 45	98	GEC	130	100	5.0	.025	.200	A	100J				500NA 60	214 .010
	2N5179	NS 217	72	RCA,MOT	20	12	2.5	.050	.200	A	200J		1000.000	G	25NA 15	70 .003
	2N5180	NS 218	104	RCA	30	15	2.0		.180	A	175J		650.000	G	25NA 1	70 .002
	2N5181	NS 218	104	RCA	45		3.0	.050	.180	A	175J		700.000	G	1UA 45	96 .001
	2N5182	NS 218	104	RCA	45		3.0	.004	.180	A	175J		700.000	G	1UA 45	96 .001
	2N5183	NS 211	104	RCA	18	18	7.0	1.000	.500	A	175J		125.000	G	500NA 12	150 .010
	2N5184	NS 211	104	RCA		120	5.0	.050	.500	A	175J		30.000	G	100NA 120	56 .050
	2N5185	NS 211 M		RCA		120	5.0	.050	1.000	A	175J		30.000	G	100NA 120	56 .050
	2N5186	NS 211	52	RCA	10		3.0	.300	.300	A	200J		400.000	G	50NA 5	50 .010
	2N5187	NS 211	52	RCA	25	10	5.0	.500	.300	A	200J		400.000	G	450NA 20	50 .030
	2N5188	NS 211	39	RCA	60	25	5.0		.800	A	200J		325.000	G	500NA 30	40 .500
	2N5189	NS 211 Q		RCA	60	35	5.0		.800	A	200J		250.000	G	500NA 30	16 .100
	2N5190	NS 48 A		MOT	40	40		4.000	40.000	C	150J		2.000	G	100UA 40	50 1.500
	2N5191	NS 48 A		MOT	60	60		4.000	40.000	C	150J		2.000	G	100UA 60	50 1.500
	2N5192	PS 48 A		MOT	80	80		4.000	40.000	C	150J		2.000	G	100UA 80	40 1.500
	2N5193	PS 48 A		MOT	40	40		4.000	40.000	C	150J		2.000	G	100UA 40	50 1.500
	2N5194	PS 48 A		MOT	60	60		4.000	40.000	C	150J		2.000	G	100UA 60	50 1.500
	2N5195	PS 48 A		MOT	80	80		4.000	40.000	C	150J		2.000	G	100UA 80	40 1.500
	2N5200	NS 211	46	FSC	20	20	4.5		.300	A	200J		1100.000	G	10NA 10	88 .010
	2N5201	NS 211	46	FSC	20	20	4.5		.300	A	200J		1100.000	G	10NA 10	88 .010
	2N5202	NS 605	66	RCA,WHE	120	75R	7.0	4.000	35.000	C	200J		60.000	G	10MA 100	35 4.000
	2N5208	PS 41	92	MOT	30	25	3.0	.050	.310	A	135J		300.000	G	10NA 10	50 .002
	2N5209	NS 41	92	MOT	50	50	4.5	.050	.310	A	135J		30.000	G	50NA 35	175 .001
	2N5210	NS 41	92	MOT	50	50	4.5	.050	.310	A	135J		30.000	G	50NA 35	350 .001
	2N5214			SEE RF POWER SECTION												
	2N5215			SEE RF POWER SECTION												
	2N5216			SEE RF POWER SECTION												
	2N5217			SEE RF POWER SECTION												
	2N5218	NS 561	61	SOL,HUG	220	200	8.0	10.000	50.000	C	200C		40.000	G	500NA 100	45 5.000
	2N5219	NS 41	92	MOT	20	15	3.0	.100	.310	A	135C		150.000	G	100NA 10	160 .002
	2N5220	NS 41	92	MOT	15	15	3.0	.500	.310	A	135C		100.000	G	100NA 10	180 .050
	2N5221	PS 41	92	MOT	15	15	3.0	.500	.310	A	135C		100.000	G	100NA 10	180 .050
	2N5222	NS 41	92	MOT	20	15	2.0	.050	.310	A	135C		450.000	G	100NA 10	395 .004
	2N5223	NS 41	92	MOT	25	20	3.0	.100	.310	A	135C		150.000	G	100NA 10	250 .002
	2N5224	NS 41	92	MOT	25	12	5.0	.100	.310	A	135C		250.000	G	500NA 15	140 .010
	2N5225	NS 41	92	MOT	25	25	4.0	.500	.310	A	135C		50.000	G	300NA 15	180 .050
	2N5226	PS 41	92	MOT	25	25	4.0	.500	.310	A	135C		50.000	G	300NA 15	180 .050
	2N5227	NS 41	92	MOT	30	30	3.0	.050	.310	A	135C		100.000	G	100NA 10	425 .002
	2N5228	PS 41	92	MOT	5	5	3.0	.050	.310	A	135C			G	100NA 4	45 .010
	2N5229	PS 210	46	MOT	15	10	15.0	.050	.500	A	200J		8.000	G	1NA 12	75 .001
	2N5230	PS 210	46	MOT	30	20	30.0	.050	.500	A	200J		8.000	G	1NA 25	75 .001
	2N5231	PS 210	46	MOT	50	30	50.0	.050	.500	A	200J		8.000	G	1NA 40	75 .001
	2N5232	NS 45	98	GEC,SPR	70	50	5.0	.100	.330	A	125J		AUD		30NA 50	375 .002
	2N5232A	NS 45	98	GEC,SPR	70	50	5.0	.100	.330	A	125J		AUD		30NA 50	375 .002
	2N5236	NS 211	39	FSC	40	20	4.0		.600	A	200J		500.000	G	1NA 20	50 .050
	2N5237	NS 211	5	SOL	150	120	5.0	5.000	5.000	H	200J		25.000	G	10UA 150	70 5.000
	2N5238	NS 211	5	SOL	200	170	5.0	5.000	5.000	H	200J		25.000	G	10UA 200	70 5.000
	2N5239	NS 605	3	RCA	330	225	6.0	5.000	100.000	C	200J		5.000	G	4MA 300	40 .400
	2N5240	NS 605	3	RCA	375	300	6.0	5.000	100.000	C	200J		5.000	G	2MA 375	40 .400
	2N5241	NS 605	3	DEL,SOL		400	5.0	5.000					4.000	G	3MA 400	24 2.500
	2N5242	PS 173	105	FSC	20	20	5.0	1.000	.500	A	125J		170.000	G	100NA 10	50 .500
	2N5243	PS 173	105	FSC	30	30	5.0	1.000	.500	A	125J		170.000	G	100NA 10	45 .500
	2N5244	PS 211	18	FSC	40	40	5.0	.100	.360	A	200J		450.000	G	15NA 30	225 .010
	2N5249	NS 45	98	GEC	70	50	5.0	.100	.330	A	125J		1.200	G	30NA 50	600 .002

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}		h_{FE} @ Ic(A)
	2N5249A	NS 45	98	GEC	70	50	5.0	.100	.330	A	125J		1.200	G	30NA 50	600 .002
	2N5250	NS 563	114	TEC,SOL,HUG	125	100	8.0		200.000	C			15.000	G	100UA 125	30 40.000
	2N5251	NS 563	114	TEC,SOL	180	150	8.0		200.000	C			15.000	G	100UA 180	30 40.000
	2N5262	NS 211	39	RCA	75	50	5.0	2.000	1.000	A	200J		250.000	G	10UA 60	65 .500
	2N5263	NS 890 A		AMP		15		.025	.360	A	150A		1000.000	G		53
	2N5264	NS 605	3	FSC	400	180	5.0	10.000	87.000	C	200J		50.300	G	1MA 400	105 1.000
	2N5284	NS 560	59	FSC,SOL		120S	6.0	5.000	50.000	C	200J		60.000	G	1UA 80	64 2.500
	2N5285	NS 560	59	FSC,SOL		120S	6.0	5.000	50.000	C	200J		70.000	G	1UA 80	114 2.500
	2N5286	PS 560	59	FSC,SOL		100S	5.5	5.000	50.000	C	200J		60.000	G	1UA 80	50 2.500
	2N5287	PS 560	59	FSC,SOL		100S	5.5	5.000	50.000	C	200J		70.000	G	1UA 80	114 2.500
	2N5288	NS 560	61	FSC,SOL		120S	6.0	10.000	100.000	C	200J		30.000	G	1MA 120	52 5.000
	2N5289	NS 560	61	FSC,SOL		120S	6.0	10.000	100.000	C	200J		40.000	G	1MA 120	120 5.000
	2N5290	PS 560	61	FSC,SOL		100S	5.5	10.000	100.000	C	200J		30.000	G	1MA 100	52 5.000
	2N5291	PS 560	61	FSC,SOL		100S	5.5	10.000	100.000	C	200J		40.000	G	1MA 100	120 5.000
	2N5292	PS 211	18	FSC	12	12S	4.5	.100	.360	A	200J		800.000	G	10NA 10	65 .030
	2N5293	NS 53 A		RCA	80	70	7.0	4.000	36.000	C	150J		.800	G	500UA 65	60 .500
	2N5294	NS 54 A		RCA	80	70	7.0	4.000	36.000	C	150J		.800	G	2MA 35	60 .500
	2N5295	NS 53 A		RCA	60	40	5.0	4.000	36.000	C	150J		.800	G	500UA 65	60 1.000
	2N5296	NS 54 A		RCA	60	40	5.0	4.000	36.000	C	150J		.800	G	500UA 65	60 1.000
	2N5297	NS 53 A		RCA	80	60	5.0	4.000	36.000	C	150J		.800	G	2MA 35	40 1.500
	2N5298	NS 54 A		RCA	80	60	5.0	4.000	36.000	C	150J		.800	G	500UA 65	40 1.500
	2N5301	NS 605	3	MOT,TII,TIL	40	40	5.0	30.000	200.000	C	200J		2.000	G	1MA 40	30 15.000
	2N5302	NS 605	3	MOT,TII,TIL	60	60	5.0	30.000	200.000	C	200J		2.000	G	1MA 60	30 15.000
	2N5303	NS 605	3	MOT,TII,TIL	80	80	5.0	30.000	200.000	C	200J		2.000	G	1MA 80	30 10.000
	2N5304	NS 561	61	MOT	50	40	6.0	10.000	25.000	C	200J		100.000	G	10UA 50	50 5.000
	2N5309	NS 45	98	GEC	70	50	5.0	.100	.360	A	125J		1.000	G	10NA 50	90 .001
	2N5310	NS 45	98	GEC	70	50	5.0	.100	.360	A	125J		1.000	G	10NA 50	175 .001
	2N5312	PS 560	61	SOL,HUG	80	80	6.0	10.000	50.000	H	200J		30.000	G	10UA 80	52 10.000
	2N5313	NS 560	61	SOL	80	80	6.0	20.000	50.000	H	200J		30.000	G	10UA 80	52 10.000
	2N5314	PS 560	61	SOL,HUG	100	100	6.0	10.000	50.000	H	200J		30.000	G	10UA 100	52 10.000
	2N5315	NS 560	61	SOL	100	100	6.0	20.000	50.000	H	200J		30.000	G	10UA 100	52 10.000
	2N5316	PS 560	61	SOL,HUG	80	80	6.0	10.000	50.000	H	200J		30.000	G	100UA 80	52 5.000
	2N5317	NS 560	61	SOL	80	80	6.0	10.000	50.000	H	200J		30.000	G	10UA 80	52 5.000
	2N5318	PS 560	61	SOL,HUG	100	100	6.0	10.000	50.000	H	200J		30.000	G	10UA 100	52 5.000
	2N5319	NS 560	61	SOL	100	100	6.0	10.000	50.000	H	200J		30.000	G	10UA 100	52 5.000
	2N5320	NS 211	5	RCA	100	75	7.0	2.000	10.000	C	200J		50.000	G	500NA 80	72 .500
	2N5321	NS 211	5	RCA	100	75	7.0	2.000	10.000	C	200J		50.000	G	5UA 60	100 .500
	2N5322	PS 211	5	RCA	75	50	5.0	2.000	10.000	C	200J		50.000	G	500NA 80	72 .500
	2N5323	PS 211	5	RCA	75	50	5.0	2.000	10.000	C	200J		50.000	G	5UA 60	100 .500
	2N5324	PG 605	3	MOT	250	150	4.0	10.000	56.000	C	110J		2.000	G	7MA 250	35 5.000
	2N5325	PG 605	3	MOT	325	200	4.0	10.000	56.000	C	110J		2.000	G	7MA 325	35 5.000
	2N5326	NS 560	59	TRW	100	80	6.0	5.000	20.000	H	200J		80.000	G	1UA 90	88 1.000
	2N5327	NS 210	5	TRW,SOL	100	80	5.0	10.000	5.000	H	200J		100.000	G	100UA 90	88 5.000
	2N5328	NS 560	59	TRW	100	80	5.0	10.000	30.000	H	200J		100.000	G	100UA 90	88 5.000
	2N5329	NS 560	61	TRW,SOL	150	90	8.0	20.000	65.000	H	200J		80.000	G	5MA 150	70 10.000
	2N5330	NS 560	61	TRW	150	90	8.0	30.000	80.000	H	200J		80.000	G	10MA 150	70 10.000
	2N5331	NS 561	63	TRW,SOL	150	90	8.0	30.000	100.000	H	200J		80.000	G	10MA 150	70 10.000
	2N5332	PS 211	46	TII	20	12	2.0	.100	.360	A	200S		600.000	G	10NA 15	40 .010
	2N5333	PS 211	5	TII,TIL,SOL	100	80	6.0	2.000	1.000	A	200J		30.000	G	10UA 90	60 1.000
	2N5334	NS 210	39	MOT	60	60	8.0	3.000	6.000	C	200J		60.000	G	5UA 60	68 1.000
	2N5335	NS 210	39	MOT	80	80	8.0	3.000	6.000	C	200J		60.000	G	5UA 80	68 1.000
	2N5336	NS 210	39	MOT	80	80	6.0	5.000	6.000	C	200J		30.000	G	10UA 80	60 2.000
	2N5337	NS 210	39	MOT	80	80	6.0	5.000	6.000	C	200J		30.000	G	10UA 80	120 2.000
	2N5338	NS 210	39	MOT	100	100	6.0	5.000	6.000	C	200J		30.000	G	10UA 100	60 2.000
	2N5339	NS 210	39	MOT	100	100	6.0	5.000	6.000	C	200J		30.000	G	10UA 100	120 2.000
	2N5344	PS 605	66	MOT	250	250	5.0	1.000	40.000	C	200J		60.000	G	100UA 250	50 .500
	2N5345	PS 605	66	MOT	300	300	5.0	1.000	40.000	C	200J		60.000	G	100UA 300	50 .500
	2N5346	NS 560	59	MOT	80	80	6.0	7.000	60.000	C	200J		30.000	G	10UA 80	70 2.000
	2N5347	NS 560	59	MOT	80	80	6.0	7.000	60.000	C	200J		30.000	G	10UA 80	70 2.000
	2N5348	NS 560	59	MOT	100	100	6.0	7.000	60.000	C	200J		30.000	G	10UA 100	155 2.000
	2N5349	NS 560	59	MOT	100	100	6.0	7.000	60.000	C	200J		30.000	G	10UA 100	155 2.000
	2N5354	PS 45	98	GEC,SPR	25	25	4.0	.300	.360	A	125J		250.000	G	100NA 25	70 .050
	2N5355	PS 45	98	GEC,SPR	25	25	4.0	.300	.360	A	125J		250.000	G	100NA 25	175 .050
	2N5356	PS 45	98	GEC,SPR	25	25	4.0	.300	.360	A	125J		250.000	G	100NA 25	375 .050
	2N5357	PS 631	37	MOT	300	300	4.0	3.000	30.000	H	200J		50.000	G	10UA 300	50 .500
	2N5365	PS 45	98	GEC,SPR	40	40	4.0	.300	.360	A	125J		250.000	G	100NA 40	70 .050
	2N5366	PS 45	98	GEC,SPR	40	40	4.0	.300	.360	A	125J		250.000	G	100NA 40	175 .050
	2N5367	PS 45	98	GEC,SPR	40	40	4.0	.300	.360	A	125J		250.000	G	100NA 40	375 .050
	2N5368	NS 168 A		SPR	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	110 .150
	2N5369	NS 168 A		SPR	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	175 .150
	2N5370	NS 168 A		SPR	60	30	5.0	.500	.360	A	150J		250.000	G	50NA 40	350 .150
	2N5371	NS 168 A		SPR	40	30	5.0	.500	.360	A	150J		250.000	G	50NA 30	210 .150
	2N5372	PS 168 A		SPR	60	30	5.0	.500	.360	A	150J		150.000	G	50NA 40	70 .150
	2N5373	PS 168 A		SPR	60	30	5.0	.500	.360	A	150J		150.000	G	50NA 40	175 .150
	2N5374	PS 168 A		SPR	60	30	5.0	.500	.360	A	150J		150.000	G	50NA 40	300 .150
	2N5375	PS 168 A		SPR	40	30	5.0	.500	.360	A	150J		150.000	G	50NA 30	140 .150
	2N5376	NS 168 A		SPR	60	30	5.0	.500	.360	A	150J		300.000	G	10NA 30	270 .001
	2N5377	NS 168 A		SPR	60	30	5.0	.500	.360	A	150J		300.000	G	10NA 30	225 .001
	2N5378	PS 168 A		SPR	40	30	5.0	.500	.360	A	150J		200.000	G	10NA 30	270 .001
	2N5379	PS 168 A		SPR	40	30	5.0	.500	.360	A	150J		200.000	G	10NA 30	225 .001
	2N5380	NS 168 B		SPR	60	40	6.0	.200	.360	A	150J		250.000	G	50NA 30	88 .010
	2N5381	NS 168 B		SPR	60	40	6.0	.200	.360	A	150J		300.000	G	50NA 30	175 .010
	2N5382	PS 168 B		SPR	40	40	5.0	.200	.360	A	150J		200.000	G	50NA 30	88 .010
	2N5383	PS 168 B		SPR	40	40	5.0	.200	.360	A	150J		250.000	G	50NA 30	175 .010
	2N5384	PS 568	111	TII,TIL,SOL	100	80	6.0	5.000	30.000	H	200J		30.000	G	10UA 90	40 2.000
	2N5385	PS 581	111	TII,SOL,TIL	100	80	6.0	5.000	30.000	H	200J		30.000	G	10UA 90	40 2.000
	2N5386	PS 541	61	TII,SOL,TIL	100	80	6.0	12.000	50.000	H	200J		30.000	G	10UA 90	40 6.000
	2N5387	NS 541	61	TII,SOL,TIL	200	200	7.5	7.500	100.000	H	200J		15.000	G	1MA 200	50 2.000
	2N5388	NS 541	61	TII,SOL,TIL	250	250	7.5	7.500	100.000	H	200J		15.000	G	1MA 250	50 2.000
	2N5389	NS 541	61	TII,SOL,TIL	300	300	7.5	7.500	100.000	H	200J		15.000	G	1MA 300	50 2.000
	2N5399	NS 211	46	TII	25	15	2.0	.100	.360	A	200S		600.000	G	10NA 15	75 .020
	2N5400	PS 41	92	MOT	130	120	5.0	.600	.310	A	135A		100.000	G	100NA 100	85 .010
	2N5401	PS 41	92	MOT	160	150	5.0	.600	.310	A	135A		100.000	G	50NA 120	120 .010
	2N5404	PS 211	5	SOL,HUG	80	80	6.0	5.000	5.000	C	200J		40.000	G	10UA 80	35 2.000
	2N5405	PS 211	5	SOL,HUG	100	100	6.0	5.000	5.000	C	200J		40.000	G	10UA 100	35 2.000
	2N5406	PS 211	5	SOL,HUG	80	80	6.0	5.000	5.000	C	200J		40.000	G	10UA 80	70 2.000
	2N5407	PS 211	5	SOL,HUG	100	100	6.0	5.000	5.000	C	200J		40.000	G	10UA 100	70 2.000
	2N5408	PS 568	111	SOL,HUG	80	80	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	35 2.000
	2N5409	PS 568	111	SOL,HUG	100	100	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	35 2.000
	2N5410	PS 568	111	SOL,HUG	80	80	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	70 2.000
	2N5411	PS 568	111	SOL,HUG	100	100	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	70 2.000
	2N5412	NS 561	61	SOL	80	60	7.0	15.000	100.000	C	200J		60.000	G	1MA 80	80 2.000
	2N5413	NS 211	39	TIL	60	40	6.0	2.000	5.000	C	200S		250.000	G	1UA 40	50 2.000
	2N5414	NS 211	39	TIL	80	50	6.0	2.000	5.000	C	200S		250.000	G	1UA 40	50 2.000
	2N5415	PS 211	5	RCA		200	4.0	1.000	1.000	A	200J		15.000	G	50UA 150	68 .050
	2N5416	PS 211	5	RCA	350	300	6.0	1.000	1.000	A	200J		15.000	G	50UA 250	60 .050
	2N5417	NS 211	39	TII	40	35	3.0	.500	.500	A	200J		250.000	G	10NA 30	140 .150
	2N5418	NS 45	98	GEC	25	25	5.0	.500	.400	A	125J		250.000	G	100NA 25	70 .050
	2N5419	NS 45	98	GEC	25	25	5.0	.500	.400	A	125J		250.000	G	100NA 25	175 .050
	2N5420	NS 45	98	GEC	25	25	5.0	.500	.400	A	125J		250.000	G	100NA 25	375 .050
	2N5421			SEE RF POWER SECTION												
	2N5422			SEE RF POWER SECTION												
	2N5423			SEE RF POWER SECTION												
	2N5424			SEE RF POWER SECTION												
	2N5424A			SEE RF POWER SECTION												
	2N5427	NS 605	66	MOT,SOL	80	80	6.0	7.000	40.000	C	200J		30.000	G	10UA 80	60 2.000
	2N5428	NS 605	66	MOT,SOL	80	80	6.0	7.000	40.000	C	200J		30.000	G	10UA 80	120 2.000
	2N5429	NS 605	66	MOT,SOL	100	100	6.0	7.000	40.000	C	200J		30.000	G	10UA 100	60 2.000
	2N5430	NS 605	66	MOT,SOL	100	100	6.0	7.000	40.000	C	200J		30.000	G	10UA 100	120 2.000
	2N5435	PG 605	3	MOT	80	60	2.5	60.000	120.000	C	110J		.350	G	10MA 80	35 25.000
	2N5436	PG 605	3	MOT	110	90	2.5	60.000	120.000	C	110J		.350	G	10MA 110	35 25.000
	2N5437	PG 605	3	MOT	140	120	2.5	60.000	120.000	C	110J		.350	G	10MA 140	35 25.000
	2N5438	PG 605	3	MOT	80	60	2.5	60.000	120.000	C	110J		.350	G	10MA 80	70 25.000
	2N5439	PG 605	3	MOT	110	90	2.5	60.000	120.000	C	110J		.350	G	10MA 110	70 25.000
	2N5440	PG 605	3	MOT	140	120	2.5	60.000	120.000	C	110J		.350	G	10MA 140	70 25.000
	2N5447	PS 168 A		TII	40	25	5.0	.200	.360	A	150J		500.000	G	100NA 20	135 .050
	2N5448	PS 168 A		TII	50	30	5.0	.200	.360	A	150J		500.000	G	100NA 20	68 .050
	2N5449	NS 168 A		TII	50	30	5.0	.800	.360	A	150J		100.000	G	100NA 20	175 .050
	2N5450	NS 168 A		TII	50	30	5.0	.800	.360	A	150J		100.000	G	100NA 20	88 .050

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain		
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)		
	2N5451	NS 168 A		TII	40	20	5.0	.800	.360	A	150J	100.000 G	100NA	20	180	.050	
	2N5466	NS 605	3	SOL	500	400	8.0	3.000	80.000	C	200J	2.500 G	250UA	500	30	3.000	
	2N5467	NS 605	3	SOL	700	400	8.0	3.000	80.000	C	200J	2.500 G	250UA	700	30	3.000	
	2N5468	NS 605	66	SOL	500	400	8.0	3.000	40.000	C	200J	2.500 G	250UA	500	30	3.000	
	2N5469	NS 605	66	SOL	700	400	8.0	3.000	40.000	C	200J	2.500 G	250UA	700	30	3.000	
	2N5470			SEE RF POWER SECTION													
	2N5477	NS 561	59	MOT	80	80	6.0	7.000	60.000	C	200J	30.000 G	10UA	80	70	2.000	
	2N5478	NS 561	59	MOT	80	80	6.0	7.000	60.000	C	200J	30.000 G	10UA	80	70	2.000	
	2N5479	NS 561	59	MOT	100	100	6.0	7.000	60.000	C	200J	30.000 G	10UA	100	155	2.000	
	2N5480	NS 561	59	MOT	100	100	6.0	7.000	60.000	C	200J	30.000 G	10UA	100	155	2.000	
	2N5481			SEE RF POWER SECTION													
	2N5482			SEE RF POWER SECTION													
	2N5483			SEE RF POWER SECTION													
	2N5489	NS 563	114	STC	100	100	10.0	40.000	300.000	C	200J	.500 G	2MA	125	41	20.000	
	2N5490	NS 54 A		RCA	60	40	5.0	7.000	50.000	C	150J	.800 G	5MA	55	45	2.000	
	2N5491	NS 53 A		RCA	60	40	5.0	7.000	50.000	C	150J	.800 G	5MA	55	45	2.000	
	2N5492	NS 54 A		RCA	75	55	5.0	7.000	50.000	C	150J	.800 G	1MA	70	45	2.500	
	2N5493	NS 53 A		RCA	75	55	5.0	7.000	50.000	C	150J	.800 G	1MA	70	45	2.500	
	2N5494	NS 54 A		RCA	60	40	5.0	7.000	50.000	C	150J	.800 G	1MA	55	45	3.000	
	2N5495	NS 53 A		RCA	60	40	5.0	7.000	50.000	C	150J	.800 G	1MA	55	45	3.000	
	2N5496	NS 54 A		RCA	90	70	5.0	7.000	50.000	C	150J	.800 G	1MA	85	45	3.500	
	2N5497	NS 53 A		RCA	90	70	5.0	7.000	50.000	C	150J	.800 G	1MA	85	45	3.500	
	2N5527	NS 211	5	SOL	60	40	3.0	5.000	5.000	C	200J	200.000 G	1MA	60	90	3.000	
	2N5528	NS 561	59	SOL	60	40	3.0	10.000	10.000	C	200J	200.000 G	1MA	60	90	3.000	
	2N5529	NS 561	61	SOL	60	40	3.0	10.000	10.000	C	200J	200.000 G	1MA	60	90	3.000	
	2N5530	NS 560	61	SOL	60	40	3.0	10.000	10.000	C	200J	200.000 G	1MA	60	90	3.000	
	2N5531	NS 211	5	SOL	90	75	3.0	5.000	5.000	C	200J	200.000 G	1MA	90	68	3.000	
	2N5532	NS 561	59	SOL	90	75	3.0	10.000	35.000	C	200J	200.000 G	1MA	90	68	3.000	
	2N5533	NS 561	61	SOL	90	75	3.0	10.000	35.000	C	200J	200.000 G	1MA	90	68	3.000	
	2N5534	NS 560	61	SOL	90	75	3.0	10.000	35.000	C	200J	200.000 G	1MA	90	68	3.000	
	2N5535	NS 561	61	SOL	60	50	3.0	20.000	50.000	C	200J	150.000 G	1MA	60	68	10.000	
	2N5536	NS 560	61	SOL	60	50	3.0	20.000	50.000	C	200J	150.000 G	1MA	60	68	10.000	
	2N5537	NS 561	61	SOL	90	75	3.0	20.000	50.000	C	200J	150.000 G	1MA	90	68	10.000	
	2N5538	NS 560	61	SOL	90	75	3.0	20.000	50.000	C	200J	150.000 G	1MA	90	68	10.000	
	2N5550	NS 41	92	MOT	160	140	6.0	.600	.310	A	135A	100.000 G	100NA	100	122	.010	
	2N5551	NS 41	92	MOT	180	160	6.0	.600	.310	A	135A	100.000 G	50NA	120	142	.010	
	2N5559	NS 605	3	SOL	150	120	7.0	10.000	100.000	H	200J	.800 G	500UA	150	35	4.000	
	2N5575	NS 607 C		RCA	70	50	8.0	80.000	150.000	H	175J	400.000 G	10MA	60	20	40.000	
	2N5576	NS 607 D		RCA	70	50	8.0	80.000	150.000	H	175J	400.000 G	10MA	60	20	40.000	
	2N5577	NS 607 E		RCA	70	50	8.0	80.000	150.000	H	175J	400.000 G	10MA	60	20	40.000	
	2N5578	NS 607 C		RCA	90	70	8.0	60.000	300.000	C	175J	.400 G	10MA	80	20	40.000	
	2N5579	NS 607 D		RCA	90	70	8.0	60.000	300.000	C	175J	.400 G	10MA	80	20	40.000	
	2N5580	NS 607 E		RCA	90	70	8.0	60.000	300.000	C	175J	.400 G	10MA	80	20	40.000	
	2N5581	NS 211	46	MOT	75	40	6.0	.800	.500	A	200A	250.000 G	10NA	60	70	.150	
	2N5582	NS 211	46	MOT	75	40	6.0	.800	.500	A	200A	300.000 G	10NA	60	175	.150	
	2N5583	PS 211	39	MOT	30	30	3.0	.500	5.000	C	200A	1000.000 G	50NA	20	50	.100	
	2N5584	NS 561	63	TRW	225	180	8.0	30.000	100.000	C	200J	70.000 G	10MA	200	70	10.000	
	2N5589			SEE RF POWER SECTION													
	2N5590			SEE RF POWER SECTION													
	2N5591			SEE RF POWER SECTION													
	2N5595			SEE RF POWER SECTION													
	2N5596			SEE RF POWER SECTION													
	2N5597	PS 605	66	SOL	80	60	5.5	2.000	20.000	C	200J	60.000 G	1MA	80	120	1.000	
	2N5598	NS 605	66	SOL	80	60	6.0	2.000	20.000	C	200J	60.000 G	1MA	80	120	1.000	
	2N5599	PS 605	66	SOL	100	80	5.5	2.000	20.000	C	200J	50.000 G	1MA	100	52	1.000	
	2N5600	NS 605	66	SOL	100	80	6.0	2.000	20.000	C	200J	50.000 G	1MA	100	52	1.000	
	2N5601	PS 605	66	SOL	100	80	5.5	2.000	20.000	C	200J	60.000 G	1MA	100	120	1.000	
	2N5602	NS 605	66	SOL	100	80	6.0	2.000	20.000	C	200J	60.000 G	1MA	100	120	1.000	
	2N5603	PS 605	66	SOL	120	100	5.5	2.000	20.000	C	200J	50.000 G	1MA	120	52	1.000	
	2N5604	NS 605	66	SOL	120	100	6.0	2.000	20.000	C	200J	50.000 G	1MA	120	52	1.000	
	2N5605	PS 605	66	SOL	80	60	5.5	5.000	25.000	C	200J	70.000 G	1MA	80	120	2.500	
	2N5606	NS 605	66	SOL	80	60	6.0	5.000	25.000	C	200J	70.000 G	1MA	80	120	2.500	
	2N5607	PS 605	66	SOL	100	80	5.5	5.000	25.000	C	200J	60.000 G	1MA	100	52	2.500	
	2N5608	NS 605	66	SOL	100	80	6.0	5.000	25.000	C	200J	60.000 G	1MA	100	52	2.500	
	2N5609	PS 605	66	SOL	100	80	5.5	5.000	25.000	C	200J	70.000 G	1MA	100	120	2.500	
	2N5610	NS 605	66	SOL	100	80	6.0	5.000	25.000	C	200J	70.000 G	1MA	100	120	2.500	
	2N5611	PS 605	66	SOL	120	100	5.5	5.000	25.000	C	200J	60.000 G	1MA	120	52	2.500	
	2N5612	NS 605	66	SOL	120	100	6.0	5.000	25.000	C	200J	60.000 G	1MA	120	52	2.500	
	2N5613	PS 605	3	SOL	80	60	5.5	5.000	50.000	C	200J	70.000 G	1MA	80	120	2.500	
	2N5614	NS 605	3	SOL	80	60	6.0	5.000	50.000	C	200J	70.000 G	1MA	80	120	2.500	
	2N5615	PS 605	3	SOL	100	80	5.5	5.000	50.000	C	200J	60.000 G	1MA	100	52	2.500	
	2N5616	NS 605	3	SOL	100	80	6.0	5.000	50.000	C	200J	60.000 G	1MA	100	52	2.500	
	2N5617	PS 605	3	SOL	100	80	5.5	5.000	50.000	C	200J	70.000 G	1MA	100	120	2.500	
	2N5618	NS 605	3	SOL	100	80	6.0	5.000	50.000	C	200J	70.000 G	1MA	100	120	2.500	
	2N5619	PS 605	3	SOL	120	100	6.0	5.000	50.000	C	200J	60.000 G	1MA	120	52	2.500	
	2N5620	NS 605	3	SOL	120	100	5.5	5.000	50.000	C	200J	60.000 G	1MA	120	52	2.500	
	2N5621	PS 605	3	SOL	80	60	5.5	10.000	100.000	C	200J	40.000 G	1MA	80	120	5.000	
	2N5622	NS 605	3	SOL	80	60	6.0	10.000	100.000	C	200J	40.000 G	1MA	80	120	5.000	
	2N5623	PS 605	3	SOL	100	80	5.5	10.000	100.000	C	200J	30.000 G	1MA	100	52	5.000	
	2N5624	NS 605	3	SOL	100	80	6.0	10.000	100.000	C	200J	30.000 G	1MA	100	52	5.000	
	2N5625	PS 605	3	SOL	100	80	5.5	10.000	100.000	C	200J	40.000 G	1MA	100	120	5.000	
	2N5626	NS 605	3	SOL	100	80	6.0	10.000	100.000	C	200J	40.000 G	1MA	100	120	5.000	
	2N5627	PS 605	3	SOL	120	100	5.5	10.000	100.000	C	200J	30.000 G	1MA	120	52	5.000	
	2N5629	NS 605	3	MOT, SOL	100	100	7.0	16.000	200.000	C	200J	1.000 G	1MA	100	50	8.000	
	2N5630	NS 605	3	MOT, SOL	120	120	7.0	16.000	200.000	C	200J	1.000 G	1MA	120	40	8.000	
	2N5631	NS 605	3	MOT, SOL	140	140	7.0	16.000	200.000	C	200J	1.000 G	1MA	140	30	8.000	
	2N5632	NS 605	3	MOT, SOL	100	100	7.0	10.000	150.000	C	200J	1.000 G	1MA	100	50	5.000	
	2N5633	NS 605	3	MOT, SOL	120	120	7.0	10.000	150.000	C	200J	1.000 G	1MA	120	40	5.000	
	2N5634	NS 605	3	MOT, SOL	140	140	7.0	10.000	150.000	C	200J	1.000 G	1MA	140	30	5.000	
	2N5635			SEE RF POWER SECTION													
	2N5636			SEE RF POWER SECTION													
	2N5637			SEE RF POWER SECTION													
	2N5641			SEE RF POWER SECTION													
	2N5642			SEE RF POWER SECTION													
	2N5643			SEE RF POWER SECTION													
	2N5644			SEE RF POWER SECTION													
	2N5645			SEE RF POWER SECTION													
	2N5646			SEE RF POWER SECTION													
	2N5650	NS 217	72	NEC	20	15	3.0	.030	.150	A	150C	2000.000 G	50NA	10	45	.003	
	2N5651	NS 217	72	NEC	20	15	3.0	.030	.150	A	150C	2000.000 G	50NA	10	45	.003	
	2N5652	NS 217	72	NEC	20	15	3.0	.030	.150	A	150C	2000.000 G	50NA	10	45	.003	
	2N5655	NS 48 A		MOT	275	250	6.0	.500	20.000	C	150J	10.000 G	10UA	275	90	.100	
	2N5656	NS 48 A		MOT	325	300	6.0	.500	20.000	C	150J	10.000 G	10UA	325	90	.100	
	2N5657	NS 48 A		MOT	375	350	6.0	.500	20.000	C	150J	10.000 G	10UA	375	90	.100	
	2N5660	NS 605	66	SOL	250	200	6.0	1.000	20.000	C	200J	20.000 G	1UA	250	70	.500	
	2N5661	NS 605	66	SOL	400	300	6.0	1.000	20.000	C	200J	20.000 G	1UA	400	43	.500	
	2N5662	NS 211	5	SOL	250	200	6.0	1.000	15.000	H	200J	20.000 G	1UA	250	70	.500	
	2N5663	NS 211	5	SOL	400	300	6.0	1.000	15.000	H	200J	20.000 G	1UA	400	43	.500	
	2N5664	NS 605	66	SOL	250	200	6.0	3.000	30.000	C	200J	20.000 G	1UA	250	70	1.000	
	2N5665	NS 605	66	SOL	400	300	6.0	3.000	30.000	C	200J	20.000 G	1UA	400	43	1.000	
	2N5671	NS 605	3	RCA, SOL	120	90	7.0	30.000	80.000	H	200J	50.000 G	12MA	110	45	15.000	
	2N5672	NS 605	3	RCA, SOL	150	120	7.0	30.000	80.000	H	200J	50.000 G	10MA	135	45	15.000	
	2N5679	PS 211	5	MOT	100	100	4.0	1.000	10.000	C	200J	30.000 G	1UA	100	80	.250	
	2N5680	PS 211	5	MOT	120	120	4.0	1.000	10.000	C	200J	30.000 G	1UA	120	80	.250	
	2N5681	NS 211	5	MOT	100	100	4.0	1.000	10.000	C	200J	30.000 G	1UA	100	80	.250	
	2N5682	NS 211	5	MOT	120	120	4.0	1.000	10.000	C	200J	30.000 G	1UA	120	80	.250	
	2N5683	PS 605	3	MOT	60	60	5.0	50.000	300.000	C	200C	2.000 G	2MA	60	30	25.000	
	2N5684	PS 605	3	MOT	80	80	5.0	50.000	300.000	C	200C	2.000 G	2MA	80	30	25.000	
	2N5685	NS 605	3	MOT	60	60	5.0	50.000	300.000	C	200C	2.000 G	2MA	60	30	25.000	
	2N5686	NS 605	3	MOT	80	80	5.0	50.000	300.000	C	200C	2.000 G	2MA	80	30	25.000	
	2N5687			SEE RF POWER SECTION													
	2N5688			SEE RF POWER SECTION													
	2N5689			SEE RF POWER SECTION													
	2N5690			SEE RF POWER SECTION													
	2N5691			SEE RF POWER SECTION													
	2N5692	PG 605	3	MOT	50	30	2.5	40.000	120.000	C	110J	.200 G	10MA	50	36	25.000	
	2N5693	PG 605	3	MOT	80	60	2.5	40.000	120.000	C	110J	.200 G	10MA	80	36	25.000	
	2N5694	PG 605	3	MOT	100	80	2.5	40.000	120.000	C	110J	.200 G	10MA	100	36	25.000	
	2N5695	PG 605	3	MOT	120	100	2.5	40.000	120.000	C	110J	.200 G	10MA	120	36	25.000	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2N5696	PG 605	3	MOT	140	120	2.5	40.000	120.000	C	110J		.200	G	10MA 140	36 25.000
	2N5697			SEE RF POWER SECTION												
	2N5698			SEE RF POWER SECTION												
	2N5699			SEE RF POWER SECTION												
	2N5700			SEE RF POWER SECTION												
	2N5701			SEE RF POWER SECTION												
	2N5702			SEE RF POWER SECTION												
	2N5703			SEE RF POWER SECTION												
	2N5704			SEE RF POWER SECTION												
	2N5705			SEE RF POWER SECTION												
	2N5706			SEE RF POWER SECTION												
	2N5707			SEE RF POWER SECTION												
	2N5708			SEE RF POWER SECTION												
	2N5709			SEE RF POWER SECTION												
	2N5710			SEE RF POWER SECTION												
	2N5711			SEE RF POWER SECTION												
	2N5712			SEE RF POWER SECTION												
	2N5713			SEE RF POWER SECTION												
	2N5714			SEE RF POWER SECTION												
	2N5715			SEE RF POWER SECTION												
	2N5729	NS 211	5	FSC	100	80	5.0	5.000	10.000	H	200J		30.000	G	1MA 100	105 2.000
	2N5730	NS 560	59	FSC	100	80	5.0	10.000	45.000	H	200J		30.000	G	1MA 100	105 2.000
	2N5731	NS 560	61	FSC	100	80	5.0	20.000	75.000	H	200J		30.000	G	1MA 100	105 5.000
	2N5732	NS 605	3	FSC	100	80	5.0	20.000	75.000	H	200J		30.000	G	1MA 100	105 5.000
	2N5733	NS 561	63	SOL	100	80	5.0	30.000	150.000	H	200J		30.000	G	1MA 100	105 10.000
	2N5734	NS 605	3	SOL	100	80	5.0	30.000	150.000	H	200J		30.000	G	1MA 100	105 10.000
	2N5737	PS 605	3	SOL	60	60	5.0	10.000	50.000	C	200J		10.000	G	10UA 60	40 5.000
	2N5738	PS 605	3	SOL	100	100	5.0	10.000	50.000	C	200J		10.000	G	10UA 100	40 5.000
	2N5739	PS 605	66	SOL	60	60	5.0	10.000	20.000	C	200J		10.000	G	10UA 60	40 5.000
	2N5740	PS 605	66	SOL	100	100	5.0	10.000	20.000	C	200J		10.000	G	10UA 100	40 5.000
	2N5741	PS 605	3	SOL	60	60	5.0	20.000	65.000	C	200J		10.000	G	10UA 60	40 10.000
	2N5742	PS 605	3	SOL	100	100	5.0	20.000	65.000	C	200J		10.000	G	10UA 100	40 10.000
	2N5743	PS 605	66	SOL	60	60	5.0	20.000	25.000	C	200J		10.000	G	10UA 60	40 10.000
	2N5744	PS 605	66	SOL	100	100	5.0	20.000	25.000	C	200J		10.000	G	10UA 100	40 10.000
	2N5745	PS 605	3	MOT	80	80	5.0	20.000	200.000	C	200J		2.000	G	1MA 80	30 10.000
	2N5761			SEE RF POWER SECTION												
	2N5762			SEE RF POWER SECTION												
	2N5763	PS 211	18	MOT	65	60	5.0	.600	.400	A	200C		200.000	G	10NA 50	53 .150
	2N5764			SEE RF POWER SECTION												
	2N5765			SEE RF POWER SECTION												
	2N5766			SEE RF POWER SECTION												
	2N5767			SEE RF POWER SECTION												
	2N5768			SEE RF POWER SECTION												
	2N5781	PS 211	5	RCA	80	80R	5.0	3.500	10.000	C	200J		8.000	G	10UA 75	45 1.000
	2N5782	PS 211	5	RCA	65	65R	5.0	3.500	10.000	C	200J		8.000	G	10UA 60	45 1.200
	2N5783	PS 211	5	RCA	45	45R	3.5	3.500	10.000	C	200J		8.000	G	10UA 45	45 1.600
	2N5784	NS 211	5	RCA	80	80R	5.0	3.500	10.000	C	200J		1.000	G	10UA 75	45 1.000
	2N5785	NS 211	5	RCA	65	65R	5.0	3.500	10.000	C	200J		1.000	G	10UA 60	45 1.200
	2N5786	NS 211	5	RCA	45	45R	3.5	3.500	10.000	C	200J		1.000	G	10UA 45	45 1.600
	2N5804	NS 605	3	RCA	300	300X	6.0	5.000	62.000	H	200J		15.000	G	5MA 270	35 5.000
	2N5805	NS 605	3	RCA	375	375X	6.0	5.000	62.000	H	200J		15.000	G	5MA 340	35 5.000
	2N5810	NS 166 A		GEC,SPR	35	25	5.0	.750	.500	A	135J		100.000	G	100NA 25	110 .002
	2N5811	PS 166 A		GEC,SPR	35	25	5.0	.750	.500	A	135J		100.000	G	100NA 25	110 .002
	2N5812	NS 166 A		GEC,SPR	35	25	5.0	.750	.500	A	135J		135.000	G	100NA 25	275 .002
	2N5813	PS 166 A		GEC,SPR	35	25	5.0	.750	.500	A	135J		135.000	G	100NA 25	275 .002
	2N5814	NS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		135.000	G	100NA 25	90 .002
	2N5815	PS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		100.000	G	100NA 25	90 .002
	2N5816	NS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		100.000	G	100NA 25	150 .002
	2N5817	PS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		120.000	G	100NA 25	150 .002
	2N5818	NS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		135.000	G	100NA 25	225 .002
	2N5819	PS 166 A		GEC,SPR	50	40	5.0	.750	.500	A	135J		135.000	G	100NA 25	225 .002
	2N5820	NS 166 A		GEC	70	60	5.0	.750	.500	A	135J		100.000	G	100NA 25	90 .002
	2N5821	PS 166 A		GEC	70	60	5.0	.750	.500	A	135J		100.000	G	100NA 25	90 .002
	2N5822	NS 166 A		GEC	70	60	5.0	.750	.500	A	135J		120.000	G	100NA 25	150 .002
	2N5823	PS 166 A		GEC	70	60	5.0	.750	.500	A	135J		120.000	G	100NA 25	150 .002
	2N5824	NS 166 A		GEC,SPR	50	40	5.0	.100	.360	A	125J		90.000	G	50NA 40	90 .002
	2N5825	NS 166 A		GEC,SPR	50	40	5.0	.100	.360	A	125J		90.000	G	50NA 40	150 .002
	2N5826	NS 166 A		GEC,SPR	50	40	5.0	.100	.360	A	125J		90.000	G	50NA 40	225 .002
	2N5828	NS 166 A		GEC	50	40	5.0	.100	.360	A	125J		90.000	G	50NA 40	600 .002
	2N5829	PS 217	72	MOT	30	30	3.0	.030	.200	A	200C		1200.000	G	100NA 20	40 .002
	2N5834			SEE RF POWER SECTION												
	2N5838	NS 605	3	RCA	275	275X	6.0	3.000	57.000	H	200J		5.000	G	5MA 265	18 3.000
	2N5839	NS 605	3	RCA	300	300X	6.0	3.000	57.000	H	200J		5.000	G	2MA 290	22 3.000
	2N5840	NS 605	3	RCA	375	375X	6.0	3.000	57.000	H	200J		5.000	G	2MA 360	22 2.000
	2N5846			SEE RF POWER SECTION												
	2N5847			SEE RF POWER SECTION												
	2N5848			SEE RF POWER SECTION												
	2N5851	NS 217	72	MOT	30	15	4.5	.100	.500	A	200J		500.000	G	1UA 15	60 .010
	2N5852	NS 217	72	MOT	30	15	4.5	.100	.500	A	200J		700.000	G	1UA 15	60 .010
	2N5862			SEE RF POWER SECTION												
	2N5865	PS 211	39	MOT	70	50	5.0	1.000	1.250	A	200C		100.000	G	200NA 35	90 .150
	2N5867	PS 605	3	MOT	60	60	5.0	5.000	87.500	C	200J		4.000	G	100UA 60	45 1.500
	2N5868	PS 605	3	MOT	80	80	5.0	5.000	87.500	C	200J		4.000	G	100UA 80	45 1.500
	2N5869	NS 605	3	MOT	60	60	5.0	5.000	87.500	C	200J		4.000	G	100UA 60	45 1.500
	2N5870	NS 605	3	MOT	80	80	5.0	5.000	87.500	C	200J		4.000	G	100UA 80	45 1.500
	2N5871	PS 605	3	MOT	60	60	5.0	7.000	100.000	C	200J		4.000	G	250UA 60	45 2.500
	2N5872	PS 605	3	MOT	80	80	5.0	7.000	100.000	C	200J		4.000	G	250UA 80	45 2.500
	2N5873	NS 605	3	MOT	60	60	5.0	7.000	100.000	C	200J		4.000	G	250UA 60	45 2.500
	2N5874	NS 605	3	MOT	80	80	5.0	7.000	100.000	C	200J		4.000	G	250UA 80	45 2.500
	2N5875	PS 605	3	MOT	60	60	5.0	10.000	150.000	C	200J		4.000	G	500UA 60	45 4.000
	2N5876	PS 605	3	MOT	80	80	5.0	10.000	150.000	C	200J		4.000	G	500UA 80	45 4.000
	2N5877	NS 605	3	MOT	60	60	5.0	10.000	150.000	C	200J		4.000	G	500UA 60	45 4.000
	2N5878	NS 605	3	MOT	80	80	5.0	10.000	150.000	C	200J		4.000	G	500UA 80	45 4.000
	2N5879	NS 605	3	MOT	60	60	5.0	15.000	160.000	C	200J		4.000	G	500UA 60	45 6.000
	2N5880	PS 605	3	MOT	80	80	5.0	15.000	160.000	C	200J		4.000	G	500UA 80	45 6.000
	2N5881	NS 605	3	MOT	60	60	5.0	15.000	160.000	C	200J		4.000	G	500UA 60	45 6.000
	2N5882	NS 605	3	MOT	80	80	5.0	15.000	160.000	C	200J		4.000	G	500UA 80	45 6.000
	2N5883	PS 605	3	MOT	60	60	5.0	25.000	200.000	C	200J		4.000	G	1MA 60	45 10.000
	2N5884	PS 605	3	MOT	80	80	5.0	25.000	200.000	C	200J		4.000	G	1MA 80	45 10.000
	2N5885	NS 605	3	MOT	60	60	5.0	25.000	200.000	C	200J		4.000	G	1MA 60	45 10.000
	2N5886	NS 605	3	MOT	80	80	5.0	25.000	200.000	C	200J		4.000	G	1MA 80	45 10.000
	2N5913			SEE RF POWER SECTION												
	2N5914			SEE RF POWER SECTION												
	2N5915			SEE RF POWER SECTION												
	2N5916			SEE RF POWER SECTION												
	2N5917			SEE RF POWER SECTION												
	2N5918			SEE RF POWER SECTION												
	2N5919			SEE RF POWER SECTION												
	2N5920			SEE RF POWER SECTION												
	2N5921			SEE RF POWER SECTION												
	2N5922			SEE RF POWER SECTION												
	2N5923			SEE RF POWER SECTION												
	2N5924			SEE RF POWER SECTION												
	2N5925			SEE RF POWER SECTION												
	2N5929	NS 605	3	WHE	90	80X	7.0	30.000	100.000	H	200J		30.000	G	5MA 90	45 10.000
	2N5930	NS 605	3	WHE	130	120X	7.0	30.000	100.000	H	200J		30.000	G	5MA 130	45 10.000
	2N5931	NS 605	3	WHE	170	160X	7.0	30.000	100.000	H	200J		30.000	G	5MA 170	45 10.000
	2N5932	NS 605	3	WHE	70	60X	7.0	30.000	100.000	H	200J		30.000	G	5MA 70	45 20.000
	2N5933	NS 605	3	WHE	110	100X	7.0	30.000	100.000	C	200J		30.000	G	5MA 110	45 20.000
	2N5934	NS 605	3	WHE	150	140X	7.0	30.000	100.000	C	200J		30.000	G	5MA 150	45 20.000
	2N5935	NS 605	3	WHE	90	80X	7.0	30.000	100.000	H	200J		30.000	G	5MA 90	45 30.000
	2N5936	NS 605	3	WHE	130	120X	7.0	30.000	100.000	H	200J		30.000	G	5MA 130	45 30.000
	2N5937	NS 605	3	WHE	170	160X	7.0	30.000	100.000	H	200J		30.000	G	5MA 170	45 30.000
	2N5943	NS 210	39	MOT	40	30	3.5	.400	1.000	A	200C		1200.000	G	100UA 15	100 .050
	2N5947	NS 962 E		MOT	40	30	3.5	.400	16.000	C	200C		1100.000	G	10UA 20	85 .075
	2N5954	PS 605	66	RCA	90	85	5.0	6.000	40.000	C	200J		5.000	G	100UA 85	40 2.000
	2N5955	PS 605	66	RCA	70	65	5.0	6.000	40.000	C	200J		5.000	G	100UA 65	40 2.500
	2N5956	PS 605	66	RCA	50	45R	5.0	6.000	40.000	C	200J		5.000	G	100UA 45	40 3.000
	2N5974	PS 48 B		MOT	60	40	5.0	5.000	75.000	C	150J		2.000	G	100UA 60	50 2.500

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2N5975	PS 48 B		MOT	80	60	5.0	5.000	75.000	C	150J	2.000 G	100UA	80	50	2.500
	2N5976	PS 48 B		MOT	100	80	5.0	5.000	75.000	C	150J	2.000 G	100UA	100	50	2.500
	2N5977	NS 48 B		MOT	60	40	5.0	5.000	75.000	C	150J	2.000 G	100UA	60	50	2.500
	2N5978	NS 48 B		MOT	80	60	5.0	5.000	75.000	C	150J	2.000 G	100UA	80	50	2.500
	2N5979	NS 48 B		MOT	100	80	5.0	5.000	75.000	C	150J	2.000 G	100UA	100	50	2.500
	2N5980	PS 48 B		MOT	60	40	5.0	8.000	90.000	C	150J	2.000 G	100UA	60	50	4.000
	2N5981	PS 48 B		MOT	80	60	5.0	8.000	90.000	C	150J	2.000 G	100UA	80	50	4.000
	2N5982	PS 48 B		MOT	100	80	5.0	8.000	90.000	C	150J	2.000 G	100UA	100	50	4.000
	2N5983	NS 48 B		MOT	60	40	5.0	8.000	90.000	C	150J	2.000 G	100UA	60	50	4.000
	2N5984	NS 48 B		MOT	80	60	5.0	8.000	90.000	C	150J	2.000 G	100UA	80	50	4.000
	2N5985	NS 48 B		MOT	100	80	5.0	8.000	90.000	C	150J	2.000 G	100UA	100	50	4.000
	2N5986	PS 48 B		MOT	60	40	5.0	20.000	100.000	C	150J	2.000 G	200UA	60	50	6.000
	2N5987	PS 48 B		MOT	80	60	5.0	20.000	100.000	C	150J	2.000 G	200UA	80	50	6.000
	2N5988	PS 48 B		MOT	100	80	5.0	20.000	100.000	C	150J	2.000 G	200UA	100	50	6.000
	2N5989	NS 48 B		MOT	60	40	5.0	20.000	100.000	C	150J	2.000 G	200UA	60	50	6.000
	2N5990	NS 48 B		MOT	80	60	5.0	20.000	100.000	C	150J	2.000 G	200UA	80	50	6.000
	2N5991	NS 48 B		MOT	100	80	5.0	20.000	100.000	C	150J	2.000 G	200UA	100	50	6.000
	2N5992	SEE RF POWER SECTION														
	2N5993	SEE RF POWER SECTION														
	2N5994	SEE RF POWER SECTION														
	2N5995	SEE RF POWER SECTION														
	2N5996	SEE RF POWER SECTION														
	2N5998	NS 45	98	GEC	35	25	5.0	.500	.400	A	150S	140.000 G	30NA	25	225	.010
	2N5999	PS 45	98	GEC	35	25	5.0	.500	.400	A	150S	140.000 G	30NA	25	225	.010
	2N6000	NS 168 B		GEC	35	25	5.0	.500	.400	A	125J	150.000 G	10NA	25	175	.010
	2N6001	PS 168 B		GEC	35	25	5.0	.500	.400	A	125J	225.000 G	10NA	25	175	.010
	2N6002	NS 168 B		GEC	35	25	5.0	.500	.400	A	125J	165.000 G	10NA	25	375	.010
	2N6003	PS 168 B		GEC	35	25	5.0	.500	.400	A	125J	250.000 G	10NA	25	375	.010
	2N6004	NS 168 B		GEC	50	40	5.0	.500	.400	A	125J	150.000 G	10NA	25	175	.010
	2N6005	PS 168 B		GEC	50	40	5.0	.500	.400	A	125J	225.000 G	10NA	25	175	.010
	2N6006	NS 168 B		GEC	50	40	5.0	.500	.400	A	125J	165.000 G	10NA	25	375	.010
	2N6007	PS 168 B		GEC	50	40	5.0	.500	.400	A	125J	250.000 G	10NA	25	375	.010
	2N6008	NS 45	98	GEC	35	25	5.0	.500	.400	A	150S	140.000 G	30NA	25	375	.010
	2N6009	PS 45	98	GEC	35	25	5.0	.500	.400	A	150S	140.000 G	30NA	25	375	.010
	2N6010	NS 168 B		GEC	50	40	5.0	.800	.500	A	150J	530.000 G	10NA	25	175	.010
	2N6011	PS 168 B		GEC	50	40	5.0	.800	.500	A	150J	75.000 G	10NA	25	175	.010
	2N6012	NS 168 B		GEC	50	40	5.0	.800	.500	A	150J	500.000 G	10NA	25	375	.010
	2N6013	PS 168 B		GEC	50	40	5.0	.800	.500	A	150J	120.000 G	10NA	25	375	.010
	2N6014	NS 168 B		GEC	70	60	5.0	.800	.500	A	150J	105.000 G	10NA	25	175	.010
	2N6015	PS 168 B		GEC	70	60	5.0	.800	.500	A	150J	75.000 G	10NA	25	175	.010
	2N6016	NS 168 B		GEC	70	60	5.0	.800	.500	A	150J	150.000 G	10NA	25	375	.010
	2N6017	PS 168 B		GEC	70	60	5.0	.800	.500	A	150J	120.000 G	10NA	25	375	.010
	2N6029	PS 605	3	MOT	100	100	7.0	16.000	200.000	C	200J	1.000 G	2MA	100	50	8.000
	2N6030	PS 605	3	MOT	120	120	7.0	16.000	200.000	C	200J	1.000 G	2MA	120	40	8.000
	2N6031	PS 605	3	MOT	140	140	7.0	16.000	200.000	C	200J	1.000 G	2MA	140	30	8.000
	2N6040	PS 58 B		MOT	60	60	5.0	8.000	75.000	C	150J	4.000 G	500UA	60	500	4.000
	2N6041	PS 58 B		MOT	80	80	5.0	8.000	75.000	C	150J	4.000 G	500UA	80	500	4.000
	2N6042	PS 58 B		MOT	100	100	5.0	8.000	75.000	C	150J	4.000 G	500UA	100	500	3.000
	2N6043	NS 58 B		MOT	60	60	5.0	8.000	75.000	C	150J	4.000 G	500UA	60	500	4.000
	2N6044	NS 58 B		MOT	80	80	5.0	8.000	75.000	C	150J	4.000 G	500UA	80	500	4.000
	2N6045	NS 58 B		MOT	100	100	5.0	8.000	75.000	C	150J	4.000 G	500UA	100	500	3.000
	2N6046	NS 561	63	WHE	70	60	7.0	20.000	114.000	H	200J	30.000 G	5MA	70	45	20.000
	2N6047	NS 561	63	WHE	110	100	7.0	20.000	114.000	H	200J	30.000 G	5MA	110	45	20.000
	2N6048	NS 561	63	WHE	150	140	7.0	20.000	114.000	H	200J	30.000 G	5MA	150	45	20.000
	2N6049	PS 605	66	MOT	90	55	7.0	4.000	75.000	C	200J	3.000 G	1MA	90	50	.500
	2N6050	PS 605	3	MOT	60	60	5.0	12.000	150.000	C	200J	4.000 G	500UA	60	200	6.000
	2N6051	PS 605	3	MOT	80	80	5.0	12.000	150.000	C	200J	4.000 G	500UA	80	200	6.000
	2N6052	PS 605	3	MOT	100	100	5.0	12.000	150.000	C	200J	4.000 G	500UA	100	200	6.000
	2N6053	PS 605	3	MOT	60	60	5.0	8.000	100.000	C	200J	4.000 G	500UA	60	200	4.000
	2N6054	PS 605	3	MOT	80	80	5.0	8.000	100.000	C	200J	4.000 G	500UA	80	200	4.000
	2N6055	NS 605	3	MOT	60	60	5.0	8.000	100.000	C	200J	4.000 G	500UA	60		4.000
	2N6056	NS 605	3	MOT	80	80	5.0	8.000	100.000	C	200J	4.000 G	500UA	80		4.000
	2N6057	NS 605	3	MOT	60	60	5.0	12.000	150.000	C	200J	4.000 G	500UA	60	200	6.000
	2N6058	NS 605	3	MOT	80	80	5.0	12.000	150.000	C	200J	4.000 G	500UA	80	200	6.000
	2N6059	NS 605	3	MOT	100	100	5.0	12.000	150.000	C	200J	4.000 G	500UA	100	200	6.000
	2N6112	NS 51 A		UPG	50	30	5.0		.360	A	150S	160.000 G	10NA	50	330	.002
	2N6135	NS 962 E		MOT	35	25	3.5	.250	2.500	C	200S	1100.000 G	10UA	18	85	.080
	2N6166	SEE RF POWER SECTION														
	2N6182	PS 561	59	MOT	80	80	6.0	10.000	60.000	C	200J	30.000 G	10UA	80	60	2.000
	2N6183	PS 561	59	MOT	80	80	6.0	10.000	60.000	C	200J	30.000 G	10UA	80	120	2.000
	2N6184	PS 561	59	MOT	100	100	6.0	10.000	60.000	C	200J	30.000 G	10UA	100	60	2.000
	2N6185	PS 561	59	MOT	100	100	6.0	10.000	60.000	C	200J	30.000 G	10UA	100	120	2.000
	2N6186	PS 560	59	MOT	80	80	6.0	10.000	60.000	C	200J	30.000 G	10UA	80	60	2.000
	2N6187	PS 560	59	MOT	80	80	6.0	10.000	60.000	C	200J	30.000 G	10UA	80	120	2.000
	2N6188	PS 560	59	MOT	100	100	6.0	10.000	60.000	C	200J	30.000 G	10UA	100	60	2.000
	2N6189	PS 560	59	MOT	100	100	6.0	10.000	60.000	C	200J	30.000 G	10UA	100	120	2.000
	2N6190	PS 210	39	MOT	80	80	6.0	5.000	10.000	C	200J	30.000 G	10UA	80	60	2.000
	2N6191	PS 210	39	MOT	80	80	6.0	5.000	10.000	C	200J	30.000 G	10UA	80	120	2.000
	2N6192	PS 210	39	MOT	100	100	6.0	5.000	10.000	C	200J	30.000 G	10UA	100	60	2.000
	2N6193	PS 210	39	MOT	100	100	6.0	5.000	10.000	C	200J	30.000 G	10UA	100	120	2.000
	2N6197	SEE RF POWER SECTION														
	2N6198	SEE RF POWER SECTION														
	2N6199	SEE RF POWER SECTION														
	2N6200	SEE RF POWER SECTION														
	2N6201	SEE RF POWER SECTION														
	2N6202	SEE RF POWER SECTION														
	2N6203	SEE RF POWER SECTION														
	2N6204	SEE RF POWER SECTION														
	2N6205	SEE RF POWER SECTION														
	2N6206	SEE RF POWER SECTION														
	2N6207	SEE RF POWER SECTION														
	2N6208	SEE RF POWER SECTION														
	2N6226	PS 605	3	MOT	100	100	7.0	6.000	150.000	C	200J	1.000 G	1MA	100	50	3.000
	2N6227	PS 605	3	MOT	120	120	7.0	6.000	150.000	C	200J	1.000 G	1MA	120	40	3.000
	2N6228	PS 605	3	MOT	140	140	7.0	6.000	150.000	C	200J	1.000 G	1MA	140	30	3.000
	2N6229	PS 605	3	MOT	100	100	7.0	10.000	150.000	C	200J	1.000 G	1MA	100	50	5.000
	2N6230	PS 605	3	MOT	120	120	7.0	10.000	150.000	C	200J	1.000 G	1MA	120	40	5.000
	2N6231	PS 605	3	MOT	140	140	7.0	10.000	150.000	C	200J	1.000 G	1MA	140	30	5.000
	2N6233	NS 605	66	MOT	250	225	6.0	5.000	50.000	C	200J	20.000 G	100UA	250	57	1.000
	2N6234	NS 605	66	MOT	300	275	6.0	5.000	50.000	C	200J	20.000 G	100UA	300	57	1.000
	2N6235	NS 605	66	MOT	350	325	6.0	5.000	50.000	C	200J	20.000 G	100UA	350	57	1.000
	2N6246	PS 605	3	RCA	70	65R	5.0	15.000	125.000	C	200J	10.000 G	200UA	65	45	7.000
	2N6247	PS 605	3	RCA	90	85R	5.0	15.000	125.000	C	200J	10.000 G	200UA	85	45	6.000
	2N6248	PS 605	3	RCA	110	105R	5.0	15.000	125.000	C	200J	10.000 G	200UA	100	45	5.000
	2N6249	NS 605	3	RCA	300	225	6.0	10.000	100.000	H	200J	2.500 G	1MA	300	24	10.000
	2N6250	NS 605	3	RCA	375	300	6.0	10.000	100.000	H	200J	2.500 G	1MA	375	20	10.000
	2N6251	NS 605	3	RCA	450	400	6.0	10.000	100.000	H	200J	2.500 G	1MA	450	20	10.000
	2N6253	NS 605	3	RCA	55	45	5.0	15.000	115.000	C	200J	.800 G	2MA	55	85	3.000
	2N6254	NS 605	3	RCA	100	80	7.0	15.000	150.000	C	200J	.800 G	500UA	100	85	5.000
	2N6255	SEE RF POWER SECTION														
	2N6256	SEE RF POWER SECTION														
	2N6257	NS 605	3	RCA	50	40	5.0	20.000	150.000	C	200J	.200 G	4MA	45	33	8.000
	2N6258	NS 605	3	RCA	100	80	7.0	30.000	250.000	C	200J	.400 G	1MA	100	35	15.000
	2N6259	NS 605	3	RCA	170	150	7.0	16.000	250.000	C	200J	.200 G	200UA	150	30	8.000
	2N6260	NS 605	66	RCA	50	40	5.0	3.000	29.000	C	200J	.800 G	5MA	40	45	1.500
	2N6261	NS 605	66	RCA	90	80	7.0	4.000	50.000	C	200J	.800 G	500UA	80	50	1.500
	2N6262	NS 605	3	RCA	170	150	7.0	10.000	150.000	C	200J	.800 G	100UA	150	38	3.000
	2N6265	SEE RF POWER SECTION														
	2N6266	SEE RF POWER SECTION														
	2N6267	SEE RF POWER SECTION														
	2N6268	SEE RF POWER SECTION														
	2N6269	SEE RF POWER SECTION														
	2N6270	NS 605	3	TII	100	80	8.0	30.000	150.000	H	200J	75.000 X	1MA	100	45	15.000
	2N6271	NS 605	63	TII	120	100	8.0	30.000	150.000	H	200J	75.000 X	1MA	120	45	15.000
	2N6272	NS 561	63	TII	100	80	8.0	30.000	150.000	H	200J	75.000 X	1MA	100	45	15.000
	2N6273	NS 561	63	TII	120	100	8.0	30.000	150.000	H	200J	75.000 X	1MA	120	45	15.000
	2N6274	NS 605	3	MOT	120	100	6.0	50.000	250.000	C	200J	30.000 G	10UA	120	60	20.000
	2N6275	NS 605	3	MOT	140	120	6.0	50.000	250.000	C	200J	30.000 G	10UA	140	60	20.000
	2N6276	NS 605	3	MOT	160	140	6.0	50.000	250.000	C	200J	30.000 G	10UA	160	60	20.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			I_{CBO} @ V_{CB}	h_{FE} @ I_C(A)
	2N6277	NS 605	3	MOT	180	150	6.0	50.000	250.000	C	200J		30.000	G	10UA 180	60 20.000
	2N6278	NS 561	63	MOT	120	100	6.0	50.000	250.000	C	200J		30.000	G	10UA 120	60 20.000
	2N6279	NS 561	63	MOT	140	120	6.0	50.000	250.000	C	200J		30.000	G	10UA 140	60 20.000
	2N6280	NS 561	63	MOT	160	140	6.0	50.000	250.000	C	200J		30.000	G	10UA 160	60 20.000
	2N6281	NS 561	63	MOT	180	150	6.0	50.000	250.000	C	200J		30.000	G	10UA 180	60 20.000
	2N6282	NS 605	3	MOT	60	60	5.0	20.000	160.000	C	200J		4.000	G	500UA 60	200 10.000
	2N6283	NS 605	3	MOT	80	80	5.0	20.000	160.000	C	200J		4.000	G	500UA 80	200 10.000
	2N6284	NS 605	3	MOT	100	100	5.0	20.000	160.000	C	200J		4.000	G	500UA 100	200 10.000
	2N6285	PS 605	3	MOT	60	60	5.0	20.000	160.000	C	200J		4.000	G	500UA 60	200 10.000
	2N6286	PS 605	3	MOT	80	80	5.0	20.000	160.000	C	200J		4.000	G	500UA 80	200 10.000
	2N6287	PS 605	3	MOT	100	100	5.0	20.000	160.000	C	200J		4.000	G	500UA 100	200 10.000
	2N6288	NS 54	220AB	RCA	40	40	5.0	7.000	16.000	H	150J		.100	G	100UA 37	70 6.500
	2N6289	NS 53	220AA	RCA	40	40	5.0	7.000	16.000	H	150J		.100	G	100UA 37	70 6.500
	2N6290	NS 54	220AB	RCA	60	60	5.0	7.000	16.000	H	150J		.100	G	100UA 56	70 6.500
	2N6291	NS 53	220AA	RCA	60	60	5.0	7.000	16.000	H	150J		.100	G	100UA 56	70 6.500
	2N6292	NS 54	220AB	RCA	80	80	5.0	7.000	16.000	H	150J		.100	G	100UA 75	70 6.500
	2N6293	NS 53	220AA	RCA	80	80	5.0	7.000	16.000	H	150J		.100	G	100UA 75	70 6.500
	2N6294	NS 605	66	MOT	60	60	5.0	4.000	50.000	C	200J		4.000	G	500UA 60	200 2.000
	2N6295	NS 605	66	MOT	80	80	5.0	4.000	50.000	C	200J		4.000	G	500UA 80	200 2.000
	2N6296	NS 605	66	MOT	60	60	5.0	4.000	50.000	C	200J		4.000	G	500UA 60	200 2.000
	2N6297	NS 605	66	MOT	80	80	5.0	4.000	50.000	C	200J		4.000	G	500UA 80	200 2.000
	2N6298	PS 605	66	MOT	60	60	5.0	8.000	75.000	C	200J		4.000	G	500UA 60	200 4.000
	2N6299	PS 605	66	MOT	80	80	5.0	8.000	75.000	C	200J		4.000	G	500UA 80	200 4.000
	2N6300	NS 605	66	MOT	60	60	5.0	8.000	75.000	C	200J		4.000	G	500UA 60	200 4.000
	2N6301	NS 605	66	MOT	80	80	5.0	8.000	75.000	C	200J		4.000	G	500UA 80	200 4.000
	2N6302	NS 605	3	MOT	140	120	7.0	16.000	150.000	C	200J		.200	G	2MA 125	30 8.000
	2N6303	PS 210	5	MOT	80	80	4.0	3.000	6.000	C	200S		60.000	G	1UA 80	68 1.500
	2N6304	NS 217	72	MOT	30	15	3.5	.050	.200	A	200J		1400.000	G	10NA 5	87 .002
	2N6305	NS 217	72	MOT	30	15	3.5	.050	.200	A	200J		1200.000	G	10NA 5	87 .002
	2N6306	NS 605	3	MOT	500	250	8.0	8.000	125.000	C	200J		5.000	G	500UA 450	34 3.000
	2N6307	NS 605	3	MOT	600	300	8.0	8.000	125.000	C	200J		5.000	G	500UA 550	34 3.000
	2N6308	NS 605	3	MOT	700	350	8.0	8.000	125.000	C	200J		5.000	G	500UA 650	27 3.000
	2N6312	PS 605	66	MOT	40	40	5.0	5.000	75.000	C	200J		4.000	G	50UA 40	20 3.000
	2N6313	PS 605	66	MOT	60	60	5.0	5.000	75.000	C	200J		4.000	G	50UA 60	20 3.000
	2N6314	PS 605	66	MOT	80	80	5.0	5.000	75.000	C	200J		4.000	G	50UA 80	20 3.000
	2N6315	NS 605	66	MOT	60	60	5.0	7.000	90.000	C	200J		4.000	G	2MA 60	40 2.500
	2N6316	NS 605	66	MOT	80	80	5.0	7.000	90.000	C	200J		4.000		2MA 80	40 2.500
	2N6317	NS 605	66	MOT	60	60	5.0	7.000	90.000	C	200J		4.000		2MA 60	40 2.500
	2N6318	NS 605	66	MOT	80	80	5.0	7.000	90.000	C	200J		4.000		2MA 80	40 2.500
	2N6322	NS 605	3	TII	300	200	5.0	30.000	200.000	H	200J		10.000	G	2MA 300	78 5.000
	2N6323	NS 605	3	TII	400	300	5.0	30.000	200.000	H	200J		10.000	G	2MA 400	68 5.000
	2N6324	NS 561	63	TII	300	200	5.0	30.000	200.000	H	200J		10.000	G	2MA 300	78 5.000
	2N6325	NS 561	63	TII	400	300	5.0	30.000	200.000	H	200J		10.000	G	2MA 300	68 5.000
	2N6326	NS 605	3	TII	60	60	5.0	30.000	114.000	H	200J		3.000	G	500UA 60	13 30.000
	2N6327	NS 605	3	TII	80	80	5.0	30.000	114.000	H	200J		3.000	G	500UA 80	13 30.000
	2N6328	NS 605	3	TII	100	100	5.0	30.000	114.000	H	200J		3.000	G	500UA 100	13 30.000
	2N6329	PS 605	3	TII	60	60	5.0	30.000	114.000	H	200J		3.000	G	500UA 60	13 30.000
	2N6330	PS 605	3	TII	80	80	5.0	30.000	114.000	H	200J		3.000	G	500UA 80	13 30.000
	2N6331	PS 605	3	TII	100	100	5.0	30.000	114.000	H	200J		3.000	G	500UA 100	13 30.000
	2N6338	NS 605	3	MOT	120	100	6.0	25.000	200.000	C	200J		40.000	G	10UA 120	60 10.000
	2N6339	NS 605	3	MOT	140	120	6.0	25.000	200.000	C	200J		40.000	G	10UA 140	60 10.000
	2N6340	NS 605	3	MOT	160	140	6.0	25.000	200.000	C	200J		40.000	G	10UA 160	60 10.000
	2N6341	NS 605	3	MOT	180	150	6.0	25.000	200.000	C	200J		40.000	G	10UA 180	60 10.000
	2N6354	NS 605	3	RCA	150	130	6.5	10.000	80.000	C	200J		80.000	G	5MA 150	58 5.000
	2N6355	NS 605	3	MOT	50	40	5.0	20.000	150.000	C	150J		.200	G	10MA 40	400 10.000
	2N6356	NS 605	3	MOT	50	40	5.0	20.000	150.000	C	150J		.200	G	10MA 40	400 10.000
	2N6357	NS 605	3	MOT	80	60	5.0	20.000	150.000	C	150J		.200	G	10MA 60	800 10.000
	2N6358	NS 605	3	MOT	80	60	5.0	20.000	150.000	C	150J		.200	G	10MA 60	800 10.000
	2N6359	NS 605	3	MOT	100	80	7.0	16.000	150.000	C	200J		.200	G	10MA 80	30 8.000
	2N6360	NS 605	3	MOT	120	100	7.0	12.000	150.000	C	200J		.200	G	10MA 80	30 6.000
	2N6361			SEE RF POWER SECTION												
	2N6362			SEE RF POWER SECTION												
	2N6363			SEE RF POWER SECTION												
	2N6364			SEE RF POWER SECTION												
	2N6367			SEE RF POWER SECTION												
	2N6368			SEE RF POWER SECTION												
	2S024	NS 730	53	TII	100	32	10.0	7.500	100.000	C			10.000	G		30 2.000
	2S025	NS 730	53	TII	150	60	10.0	7.500	100.000	C			10.000	G		30 2.000
	2S026	NS 730	53	TII	200	100	10.0	7.500	100.000	C			10.000	G		30 2.000
	2S57			SEE 2SA57												
	2S095A	NS 211	18	TII	20	15	5.0	.200	.300	A			300.000	G		90 .010
	2S102	NS 211	18	TII	60	45	6.0	.050	.400	A			150.000	G		32 .005
	2S103	NS 211	18	TII	60	45	6.0	.050	.400	A			150.000	G		65 .005
	2S104	NS 211	18	TII	60	45	6.0	.050	.400	A			150.000	G		130 .005
	2S131	NS 211	18	TII	15	12	5.0	.200	.300	A			220.000	G		30 .010
	2S189			SEE 2SB189												
	2S301	PS 210	5	TII	80	80	30.0	.150	.300	A			.250	G		21 .010
	2S302A	PS 210	5	TII	25	25	10.0	.150	.300	A			.350	G		30 .010
	2S303	PS 210	5	TII	25	25	20.0	.150	.300	A			.650	G		41 .010
	2S304	PS 210	5	TII	15	15	15.0	.150	.300	A			1.000	G		83 .010
	2S305	PS 210	5	TII	125	125	50.0	.150	.300	A			.250	G		21 .010
	2S306	PS 210	5	TII	6	6	6.0	.010	.050	A			1.500	G		45 .001
	2S307	PS 210	5	TII	15	15	15.0	.010	.050	A			1.500	G		45 .001
	2S321	PS 170 L		TII	80	80	30.0	.100	.300	A			.250	G		19 .010
	2S322	PS 170 L		TII	40	40	20.0	.100	.300	A			.350	G		25 .010
	2S322A	PS 170 L		TII	25	25	10.0	.100	.300	A			.350	G		30 .010
	2S323	PS 170 L		TII	25	25	20.0	.100	.300	A			.650	G		45 .010
	2S324	PS 170 L		TII	15	15	15.0	.100	.300	A			1.000	G		83 .010
	2S325	PS 170 L		TII	125	125	50.0	.100	.300	A			.250	G		19 .010
	2S326	PS 170 L		TII	6	6	6.0	.010	.050	A			1.500	G		45 .001
	2S327	PS 170 L		TII	15	15	15.0	.010	.050	A			1.500	G		45 .001
	2S501	NS 211	18	TII	25	25	5.0	.030	.300	A			30.000	G		70 .001
	2S502	NS 211	18	TII	25	25	5.0	.030	.300	A			30.000	G		175 .001
	2S503	NS 211	18	TII	25	25	5.0	.030	.300	A			30.000	G		270 .001
	2S512	NS 211	18	TII	25	25	5.0	.200	.300	A			250.000	G		90 .010
	2S3010	PS 210	5	TII	40	40	20.0	.150	.300	A			.100	G		21 .010
	2S3020	PS 210	5	TII	40	40	20.0	.150	.300	A			.150	G		30 .010
	2S3021	PS 210	5	TII	15	15	10.0	.150	.300	A			.150	G		23 .010
	2S3030	PS 210	5	TII	25	25	10.0	.150	.300	A			.250	G		44 .010
	2S3210	PS 170 L		TII	40	40	20.0	.150	.300	A			.100	G		21 .010
	2S3220	PS 170 L		TII	40	40	20.0	.150	.300	A			.150	G		30 .010
	2S3221	PS 170 L		TII	15	15	10.0	.150	.300	A			.150	G		23 .010
	2S3230	PS 170 L		TII	25	25	10.0	.150	.300	A			.250	G		46 .010
	2S3240	PS 170 L		TII	15	15	10.0	.150	.300	A			.400	G		60 .010
	2SA12	PG 120	1	HIT	16		.5	.015	.080	A	85J		8.000	B	6UA 12	56 .001
	2SA13	PG 120	1	HIT	12		.5	.015	.080	A	85J		8.000	B	10UA 12	56 .001
	2SA15	PG 120	1	HIT	16		.5	.015	.080	A	85J		12.000	B	6UA 12	60 .001
	2SA16	PG 120	1	HIT	12		.5	.015	.080	A	85J		12.000	B	10UA 12	60 .001
	2SA17	PG 120	1	HIT	12		.5	.015	.080	A	60A		19.000	B	16UA 12	250
	2SA18	PG 120	1	HIT	21	12	12.0	.015	.080	A	85J		14.000	B	6UA 12	150
	2SA28			SEE 2SA472												
	2SA29			SEE 2SA472-1												
-	2SA41	PG 120	1	HIT	35	20	20.0	.040	.130	A	70J		6.000	B	6UA 12	45
-	2SA42	PG 120	1	HIT	45	23	20.0	.040	.130	A	70J		6.000	B	6UA 12	45
	2SA49	PG 120	1	TOS	18		12.0	.005	.060	A	75J		6.000	B	10UA 18	80 .001
	2SA50	PG 120	1	TOS	18		12.0	.024	.055	A	75J		9.300	B	3UA 12	68 .024
	2SA51			SEE 2SA472												
	2SA52	PG 120	1	TOS	18		12.0	.005	.060	A	75J		4.000	B	10UA 18	68 .001
	2SA53	PG 120	1	TOS	18		12.0	.005	.060	A	75J		3.000	B	10UA 18	52 .001
-	2SA57	PG 128	44	TOS	18		.5	.005	.055	A	75J		85.000	B	10UA 18	44 .001
	2SA58			SEE 2SA518												
	2SA58-G			SEE 2SA518-G												
	2SA60			SEE 2SA470												
	2SA60-G			SEE 2SA470-G												
	2SA65			SEE 2SA282												
	2SA66			SEE 2SA283												
	2SA67			SEE 2SA284												
	2SA69	PG 75	7	MAT	20		.5	.010	.100	A	75J		70.000	B	13UA 6	40
	2SA70	PG 75	7	MAT	20		.5	.010	.100	A	75J		70.000	B	13UA 6	40

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Temp. (°C)						
	2SA71	PG 75	7	MAT	20		.5	.010	.100 A	75J	100.000	B	13UA	6	40	
	2SA72			SEE 2SA472-2,3												
	2SA73			SEE 2SA472-4,5												
-	2SA74	PG 128	44	TOS	50		.5	.050	.120 A	75J	70.000	B	8UA	12	110	.001
-	2SA75	PG 128	44	TOS	5		.5	.050	.120 A	75J	30.000	B	8UA	12	110	.001
-	2SA76	PG 128	44	TOS	18		.5	.005	.055 A	75J	160.000	B	15UA	18	110	.001
-	2SA77	PG 128	44	TOS	18		.5	.005	.055 A	75J	70.000	G	12UA	12	110	.001
	2SA78			SEE 2SA478-G												
-	2SA80	PG 128	44	HIT	20		.5	.010	.080 A	85J	60.000	B	10UA	12	80	
-	2SA81	PG 128	44	HIT	20		.5	.010	.080 A	70A	40.000	B	10UA	12	80	
-	2SA82	PG 128	44	HIT	20		.5	.010	.080 A	70A	40.000	B	10UA	12	80	
-	2SA83	PG 128	44	HIT	25		.5	.010	.080 A	70A	30.000	B	10UA	12	80	
-	2SA84	PG 128	44	HIT	25		.5	.010	.080 A	70A	35.000	B	10UA	12	80	
-	2SA85	PG 128	44	HIT	25		1.0	.010	.080 A	70A	55.000	B	10UA	12	80	
-	2SA86	PG 128	44	HIT	45		1.0	.050	.125 A	70J	25.000	B	5UA	12	80	
	2SA92			SEE 2SA468												
	2SA92-G			SEE 2SA468-G												
	2SA93			SEE 2SA469												
	2SA93-G			SEE 2SA469-G												
	2SA100	PG 120	1	MAT	40		.7	.010	.060 A	75J	10.000	B	16UA	10		
	2SA101	PG 120	1	MAT	40		.7	.010	.060 A	75J	15.000	B	16UA	10		
	2SA102	PG 120	1	MAT	40		.7	.010	.060 A	75J	25.000	B	16UA	10		
	2SA103	PG 120	1	MAT	40		.7	.010	.060 A	75J	35.000	B	16UA	10		
	2SA104	PG 120	1	MAT	40		.7	.010	.060 A	75J	50.000	B	16UA	10		
	2SA121	PG 35 B		SON	15	15R		.002	.015 A	65J	50.000	B	8UA	15	40	
	2SA122	PG 35 B		SON	15	15		.002	.015 A	65J	50.000	B	8UA	15	40	
-	2SA123	PG 35 B		SON	15	15R		.002	.015 A	65J	50.000	B	8UA	15	40	
	2SA124	PG 35 B		SON	15	15		.002	.015 A	65J	90.000	B	8UA	15	44	
	2SA125	PG 35 B		SON	15	15		.002	.015 A	65J	100.000	B	4UA	25	50	
-	2SA127	PG 128	44	TOS	70		.5	.050	.150 A	75J	25.000	B	50UA	12	114	.001
-	2SA128	PG 128	44	TOS	40			.600	.170 A	75J	15.000	B	50UA	12	28	.600
-	2SA129	PG 128	44	TOS	40			.600	.170 A	75J	15.000	B	50UA	12	88	.600
	2SA161	PG 217	17	SON	20	15R		.010	.050 A	85J	VHFAMP		5UA	15	6	.001
	2SA162	PG 217	17	SON	20	15R		.010	.050 A	85J	VHFAMP		5UA	15	12	.001
	2SA163	PG 217	17	SON	20	15R		.010	.050 A	85J	VHFAMP		5UA	15	24	.001
	2SA165	PG 217	17	SON	20	15R		.010	.050 A	85J	300.000	G	5UA	15	24	.001
	2SA166	NG 217	17	SON	20	15R		.010	.050 A	85J	VHFOSC		5UA	15	10	
-	2SA175	PG 128	44	TOS	18		.5	.005	.055 A	75J	85.000	B	15UA	15	110	.001
	2SA182	PG 120 J		SAN	25		12.0	.100	.100 A	75J	6.000	G	5UA	15	50	.030
	2SA201	PG 120 J		SAN	15		10.0	.015	.100 A	75J	6.000	G	15UA	15	50	.001
	2SA202	PG 120 J		SAN	15		10.0	.015	.100 A	75J	6.000	G	15UA	15	55	.001
	2SA203	PG 120 J		SAN	15		10.0	.015	.100 A	75J	6.000	G	15UA	15	30	.001
	2SA208	PG 210	5	HIT	20	15	12.0	.400	.120 A	85J	3.000	B	20UA	20	30	10.200
	2SA209	PG 210	5	HIT	20	15	12.0	.400	.120 A	85J	5.000	B	20UA	20	60	10.200
	2SA210	PG 210	5	HIT	20	15	12.0	.400	.120 A	85J	10.000	B	20UA	20	90	10.200
-	2SA211	PG 210	5	HIT	18	12R	10.0	.100	.120 A	85J	4.000	B	10UA	12	50	
	2SA212	PG 210	5	HIT	25	15	12.0	.100	.120 A	85J	4.000	B	5UA	12	50	
	2SA217	PG 210	5	HIT	25	12	12.0	.100	.120 A	85J	14.000	B	5UA	12	50	
	2SA219	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	100	.001
	2SA221	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	180	.001
	2SA222	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	120	.001
	2SA223	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	150	.001
-	2SA229	PG 217	17	TOS	20		.2	.005	.070 A	85J	400.000	G	10UA	20	54	.001
-	2SA230	PG 217	17	TOS	20		.2	.005	.070 A	85J	400.000	G	10UA	20	54	.001
-	2SA233	PG 128	44	HIT	20		.5	.010	.080 A	85J	90.000	B	30UA	20	50	
	2SA234	PG 128	44	HIT	20		.5	.010	.080 A	85J	120.000	B	30UA	20	60	.001
	2SA235	PG 128	44	HIT	20		.5	.010	.080 A	85J	135.000	B	30UA	20	80	.001
	2SA236			SEE 2SA472-4												
	2SA237			SEE 2SA472-4,5,6												
-	2SA239	PG 217	17	TOS	20		.2	.005	.075 A	85J	125.000	G	10UA	12	8	
-	2SA240	PG 217	17	TOS	20		.2	.005	.075 A	85J	125.000	G	10UA	12	42	
	2SA241	PG 75	7	MAT	20		.4	.005	.050 A	75J	240.000	G	13UA	10		
	2SA246	PG 128	44	HIT	30		.5	.030	.100 A	85J	155.000	B	30UA	30	70	
-	2SA247	PG 128	44	HIT	10	10	1.2	.030	.100 A	85J	200.000	B	5UA	10	125	
	2SA248			SEE 2SA479												
-	2SA250	PG 120	1	MAT	100		.7	.010	.180 C	75J	50.000	G	16UA	10		
-	2SA276	PG 217	17	TOS	15		2.0	.030	.075 A	75J	130.000	G	5UA	12	58	.010
-	2SA277	PG 210	5	TOS	18		12.0	.040	.065 A	75J	3.500	B	3UA	12	64	.024
-	2SA278	PG 210	5	TOS	18		12.0	.040	.065 A	75J	11.000	B	3UA	12	84	.024
	2SA279	PG 75	7	MAT	30		.5	.030	.250 C	75J	150.000	G	6UA	6	124	
	2SA282	PG 210	5	TOS	18		12.0	.200	.150 A	75J	3.800	B	7UA	12	60	.100
	2SA283	PG 210	5	TOS	18		12.0	.200	.150 A	75J	6.000	B	7UA	12	66	.100
	2SA284	PG 210	5	TOS	18		12.0	.200	.150 A	75J	10.000	B	7UA	12	76	.100
-	2SA288	PG 75	7	HIT	20		.5	.010	.080 A	85J	530.000	B	30UA	20	20	
-	2SA289	PG 75	7	HIT	20		.5	.010	.080 A	85J	550.000	B	30UA	20	20	
-	2SA290	PG 75	7	HIT	20		.5	.010	.080 A	85J	550.000	B	30UA	20	20	
	2SA304	PG 210	5	TOS	18		12.0	.040	.065 A	75J	2.000	B	4UA	12	76	.001
	2SA310	PG 210	5	TOS	18		12.0	.040	.065 A	75J	4.000	B	4UA	12	76	.001
	2SA311	PG 210	5	TOS	40		2.0	.400	.150 A	75J	20.000	B	6UA	12	68	.400
	2SA312	PG 210	5	TOS	40		2.0	.200	.150 A	75J	25.000	B	6UA	12	68	.200
	2SA313	PG 210	5	TOS	18		.5	.020	.060 A	75J	40.000	B	6UA	12	78	.001
	2SA314	PG 210	5	TOS	18		.5	.020	.060 A	75J	40.000	B	6UA	12	78	.001
	2SA315	PG 210	5	TOS	18		.5	.020	.060 A	75J	55.000	B	6UA	12	78	.001
	2SA316	PG 21C	5	TOS	18		.5	.020	.060 A	75J	75.000	B	6UA	12	78	.001
	2SA321	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	70	.001
	2SA322	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	70	.001
	2SA323	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	120	.001
	2SA324	PG 120 J		SAN	20		1.5	.015	.070 A	75J	50.000	G	15UA	15	70	.001
	2SA331	PG 120 J		SAN	20		1.5		.120 A	75J	50.000	G	15UA	15	100	.001
	2SA338	PG 105 E		MAT	20		.5	.005	.050 A	75J	10.000	B	16UA	10	26	
	2SA339	PG 105 E		MAT	20		.5	.005	.050 A	75J	20.000	B	16UA	10	54	
	2SA340	PG 217	72	MAT	20		.5	.010	.063 A	75J	70.000	B	13UA	6	40	
	2SA341	PG 217	72	MAT	20		.5	.010	.063 A	75J	70.000	B	13UA	6	40	
	2SA342	PG 217	72	MAT	20		.5	.010	.063 A	75J	100.000	B	13UA	6	40	
	2SA344	PG 128	44	MAT	30		.4	.030	.120 A	75J	150.000	G	6UA	6	40	
	2SA350	PG 120	1	HIT	20		.5	.010	.080 A	85J	55.000	B	10UA	12	90	.001
	2SA351	PG 120	1	HIT	20		.5	.010	.080 A	85J	45.000	B	10UA	12	70	.001
	2SA352	PG 120	1	HIT	20		.5	.010	.080 A	85J	35.000	B	10UA	12	70	.001
	2SA353	PG 120	1	HIT	25		.5	.010	.080 A	85J	35.000	B	10UA	12	70	.001
	2SA353A	PG 120	1	HIT	50		1.0	.010	.080 A	85J	30.000	B	10UA	12	70	.001
	2SA354	PG 120	1	HIT	25		.5	.010	.080 A	85J	40.000	B	10UA	12	70	.001
	2SA354A	PG 120	1	HIT	50		1.0	.010	.080 A	85J	30.000	B	10UA	12	70	.001
	2SA355	PG 120	1	HIT	25		1.0	.010	.080 A	85J	45.000	B	10UA	12	90	.001
	2SA355A	PG 120	1	HIT	50		1.0	.010	.080 A	85J	30.000	B	10UA	12	70	.001
	2SA356	PG 120	1	HIT	9		.5	.010	.080 A	85J	25.000	B	15UA	9	80	
-	2SA357	PG 120	1	HIT	9		.5	.010	.080 A	85J	325.000	B	15UA	9	80	
-	2SA358	PG 120	1	HIT	75		1.0	.050	.125 A	85J	45.000	B	12UA	12	90	
	2SA372	PG 210	18	TOS	15		2.0	.200	.100 A	75J	350.000	G	10UA	12	58	.010
	2SA377	PG 217	72	MAT	20		.4	.005	.050 A	75J	240.000	G	13UA	10	20	
	2SA378	PG 217	72	MAT	20		.4	.005	.050 A	75J	300.000	G	13UA	10	20	
	2SA379	PG 217	72	MAT	20		.4	.005	.050 A	75J	350.000	G	13UA	10	20	
	2SA385	PG 120	1	MAT	16		10.0	.010	.080 A	75J	5.000	G	12UA	10	160	
-	2SA391	PG 210	5	OKI	18		12.0	.200	.150 A	85J	3.000	B	6UA	6	70	
-	2SA392	PG 210	5	OKI	18		12.0	.200	.150 A	85J	6.000	B	6UA	6	100	
-	2SA393	PG 210	5	OKI	19		12.0	.200	.150 A	85J	9.500	B	6UA	6	150	
-	2SA393A	PG 210	5	OKI	30		12.0	.200	.200 A	85J	9.500	B	6UA	6	150	
-	2SA394	PG 210	5	OKI	18		12.0	.200	.150 A	85J	14.000	B	6UA	6	200	
-	2SA395	PG 210	5	OKI	18		12.0	.200	.150 A	85J	19.000	B	6UA	6	300	
-	2SA396	PG 211	5	OKI	15	8	15.0	.200	.250 A	85J	3.000	B	20UA	12	80	
-	2SA397	PG 211	5	OKI	23	12	15.0	.200	.250 A	85J	5.000	B	15UA	12	100	
-	2SA398	PG 211	5	OKI	30	15	20.0	.200	.250 A	85J	7.500	B	5UA	12	120	
-	2SA399	PG 211	5	OKI	30	15	20.0	.200	.250 A	85J	10.000	B	6UA	12	70	
-	2SA401	PG 128	44	HIT	30		.5	.040	.130 A	85J	230.000	B	30UA	30	70	
	2SA412	PG 120	1	HIT	12	12	1.0	.100	.150 A	85J	60.000	G	20UA	30	70	.030
	2SA413	PG 218	18	MAT	20		2.5	.030	.275 C	75J	300.000	G	5UA	5	100	.030
	2SA414	PG 212	5	MAT	30		20.0	.200	.150 C	85J	4.000	G	3UA	5	30	.200
	2SA415	PG 212	5	MAT	30		20.0	.200	.150 C	85J	6.000	G	3UA	5	40	.200
-	2SA416	PG 605	3	MAT	70		1.5	.700	6.000 C	75J	60.000	G	1MA	60	100	.600
	2SA422	PG 120 J		SAN	20		.4	.005	.050 A	85J	31.900	G	30UA	20	25	.002

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			I_{CBO} @ V_{CB}	h_{FE} @ I_C(A)
+	2SA431			SEE 2SC387												
	2SA431-G			SEE 2SA387-G												
	2SA431A			SEE 2SC398												
	2SA431A-G			SEE 2SC397												
-	2SA432	PG 217	17	TOS	20		.2	.005	.070	A	85J		800.000	G	10UA 20	54 .001
	2SA432A			SEE 2SC398												
-	2SA433	PG 128	44	TOS	18		.5	.005	.055	A	75J		34.000	G	10UA 12	56 .001
	2SA435	PG 280 A		HIT	20		.5	.010	.060	A	85J		250.000	G	30UA 20	66 .003
	2SA436	PG 280 A		HIT	20		.5	.010	.060	A	85J		200.000	G	30UA 20	30 .003
	2SA437	PG 280 A		HIT	20		.5	.010	.060	A	85J		200.000	G	30UA 20	30 .003
	2SA438	PG 280 A		HIT	20		.5	.010	.060	A	85J		270.000	G	30UA 20	30 .003
	2SA440	PG 79 A		SAN	20		.4	.005	.060	A	85J		31.900	G	20UA 20	80 .002
-	2SA446	PG 211	5	TOS	15		2.0	.200	.200	A	75J		350.000	G	10UA 12	90 .100
	2SA448	NG 217	17	SON	15		.5	.005	.040	A	75J		1600.000	G	10UA 10	
	2SA450	PG 210 A		HIT	12	6	1.5	.100	.150	A	100J		300.000	G	3UA 6	48 .050
	2SA451	PG 210 A		HIT	12	6	1.5	.100	.150	A	100J		300.000	G	3UA 6	98 .050
	2SA452	PG 210 A		HIT	12	6	1.5	.100	.150	A	100J		300.000	G	3UA 6	208 .050
-	2SA465	PG 217 E		MAT	20		.3	.005	.050	A	75J		600.000	G	13UA 10	
	2SA468	PG 120	1	TOS	18		.5	.010	.055	A	85J		45.000	G	8UA 12	130 .001
	2SA469	PG 120	1	TOS	18		.5	.010	.055	A	85J		30.000	G	8UA 12	110 .001
	2SA470	PG 120	1	TOS	18		.5	.010	.055	A	85J		35.000	G	8UA 12	130 .001
	2SA471-1	PG 120	1	TOS	18		.5	.010	.055	A	85J		35.000	G	10UA 18	36 .001
	2SA471-2	PG 120	1	TOS	18		.5	.010	.055	A	85J		35.000	G	10UA 18	74 .001
	2SA472-1	PG 120	1	TOS	18		.5	.010	.085	A	85J		20.000	G	10UA 18	36 .001
	2SA472-2	PG 120	1	TOS	18		.5	.010	.085	A	85J		20.000	G	10UA 18	76 .001
	2SA472-3	PG 120	1	TOS	18		.5	.010	.085	A	85J		20.000	G	10UA 18	190 .001
	2SA472-4	PG 120	1	TOS	18		.5	.010	.085	A	85J		10.000	G	10UA 18	36 .001
	2SA472-5	PG 120	1	TOS	18		.5	.010	.085	A	85J		10.000	G	10UA 18	76 .001
	2SA472-6	PG 120	1	TOS	18		.5	.010	.085	A	85J		10.000	G	10UA 18	190 .001
	2SA474	PG 120	1	TOS	50		.5	.050	.120	A	85J		60.000	B	8UA 12	110 .001
	2SA474-G	PG 120	1	TOS	50		.5	.050	.120	A	85J		60.000	B	8UA 12	110 .001
	2SA478	PG 120	1	TOS	40	40S	2.0	.200	.125	A	85J		40.000	B	8UA 12	68 .400
	2SA478-G	PG 120	1	TOS	40	40S	2.0	.200	.125	A	85J		40.000	B	8UA 12	68 .400
	2SA479	PG 120	1	TOS	40	40S	2.0	.200	.125	A	85J		40.000	B	8UA 12	68 .400
	2SA479-G	PG 120	1	TOS	40	40S	2.0	.200	.125	A	85J		40.000	B	8UA 12	68 .400
	2SA485-BLU	PS 211	39	TOS		80	5.0	1.500	.800	A	150J		20.000	G	10UA 30	175 .200
	2SA485-RED	PS 211	39	TOS		80	5.0	1.500	.800	A	150J		20.000	G	10UA 30	51 .200
	2SA485-YEL	PS 211	39	TOS		80	5.0	1.500	.800	A	150J		20.000	G	10UA 30	85 .200
	2SA486-BLU	PS 211	39	TOS		50	5.0	1.500	.800	A	150J		20.000	G	10UA 30	175 .200
	2SA486-RED	PS 211	39	TOS		50	5.0	1.500	.800	A	150J		20.000	G	10UA 30	51 .200
	2SA486-YEL	PS 211	39	TOS		50	5.0	1.500	.800	A	150J		20.000	G	10UA 30	85 .200
	2SA495-ORG	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	105 .010
	2SA495-ORG-G	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	105 .010
	2SA495-RED	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	60 .010
	2SA495-RED-G	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	60 .010
	2SA495-YEL	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	180 .010
	2SA495-YEL-G	PS 45 C		TOS	35	30	5.0	.100	.200	A	125J		100.000	G	1UA 15	180 .010
	2SA496-ORG	PS 48 A		TOS	35		5.0	.800	.550	A	125J		50.000	G	1UA 30	105 .050
	2SA496-RED	PS 48 A		TOS	30		5.0	.800	.550	A	125J		50.000	G	1UA 30	60 .050
	2SA496-YEL	PS 48 A		TOS	30		5.0	.800	.550	A	125J		50.000	G	1UA 30	180 .050
	2SA497-ORG	PS 211	39	TOS	80		5.0	.800	.600	A	150J		30.000	G	1UA 30	105 .200
	2SA497-RED	PS 211	39	TOS	80		5.0	.800	.600	A	150J		30.000	G	1UA 30	60 .200
	2SA497-YEL	PS 211	39	TOS	80		5.0	.800	.600	A	150J		30.000	G	1UA 30	180 .200
	2SA498-ORG	PS 211	39	TOS	50		5.0	.800	.600	A	150J		30.000	G	1UA 30	105 .200
	2SA498-RED	PS 211	39	TOS	50		5.0	.800	.600	A	150J		30.000	G	1UA 30	60 .200
	2SA498-YEL	PS 211	39	TOS	50		5.0	.800	.600	A	150J		30.000	G	1UA 30	180 .200
	2SA499-ORG	PS 211	18	TOS	50	40	5.0	.100	.250	A	175J		100.000	G	500NA 15	90 .010
	2SA499-RED	PS 211	18	TOS	50	40	5.0	.100	.250	A	175J		100.000	G	500NA 15	47 .010
	2SA499-YEL	PS 211	18	TOS	50	40	5.0	.100	.250	A	175J		100.000	G	500NA 15	150 .010
	2SA500-ORG	PS 211	18	TOS	30	20	5.0	.100	.250	A	175J		100.000	G	500NA 15	90 .010
	2SA500-RED	PS 211	18	TOS	30	20	5.0	.100	.250	A	175J		100.000	G	500NA 15	47 .010
	2SA500-YEL	PS 211	18	TOS	30	20	5.0	.100	.250	A	175J		100.000	G	500NA 15	150 .010
	2SA503-GRN	PS 211	39	TOS	60	50	5.0	.600	.800	A	175J		50.000	G	500NA 30	175 .150
	2SA503-ORG	PS 211	39	TOS	60	50	5.0	.600	.800	A	175J		50.000	G	500NA 30	52 .150
	2SA503-YEL	PS 211	39	TOS	60	50	5.0	.600	.800	A	175J		50.000	G	500NA 30	188 .150
	2SA504-GRN	PS 211	39	TOS	40	30	5.0	.600	.800	A	175J		50.000	G	500NA 30	175 .150
	2SA504-ORG	PS 211	39	TOS	40	30	5.0	.600	.800	A	175J		50.000	G	500NA 30	52 .150
	2SA504-YEL	PS 211	39	TOS	40	30	5.0	.600	.800	A	175J		50.000	G	500NA 30	188 .150
	2SA505-ORG	PS 48 A		TOS	50		5.0	.800	.550	A	125J		50.000	G	1UA 30	105 .050
	2SA505-RED	PS 48 A		TOS	50		5.0	.800	.550	A	125J		50.000	G	1UA 30	60 .050
	2SA505-YEL	PS 48 A		TOS	50		5.0	.800	.550	A	125J		50.000	G	1UA 30	180 .050
	2SA510-ORG	PS 211	39	TOS	120	100	5.0	1.500	.800	A	175J		20.000	G	1UA 30	98 .200
	2SA510-RED	PS 211	39	TOS	120	100	5.0	1.500	.800	A	175J		20.000	G	1UA 30	52 .200
	2SA511-ORG	PS 211	39	TOS	100	80	5.0	1.500	.800	A	175J		20.000	G	1UA 30	98 .200
	2SA511-RED	PS 211	39	TOS	100	80	5.0	1.500	.800	A	175J		20.000	G	1UA 30	52 .200
	2SA512-ORG	PS 211	39	TOS	80	60	5.0	1.500	.800	A	175J		20.000	G	1UA 30	98 .200
	2SA512-RED	PS 211	39	TOS	80	60	5.0	1.500	.800	A	175J		20.000	G	1UA 30	52 .200
	2SA513-ORG	PS 211	39	TOS	60	40	5.0	1.500	.800	A	175J		20.000	G	1UA 30	98 .200
	2SA513-RED	PS 211	39	TOS	60	40	5.0	1.500	.800	A	175J		20.000	G	1UA 30	52 .200
	2SA518	PG 120	1	TOS	18		.5	.010	.055	A	85J		35.000	B	10UA 18	110 .001
	2SA518-G	PG 120	1	TOS	18		.5	.010	.055	A	85J		35.000	B	10UA 18	110 .001
	2SA530	PS 210 A		HIT	50	35	.5	.100	.200	A	175J		200.000	G	1UA 20	65 .010
	2SA532	PS 211	39	SAN	75	75R	5.0	5.000	.300	C	175J		40.000	G	50UA 75	60 .010
	2SA535	PS 211	39	SAN	120	120R	5.0	.700	.300	C	175J		40.000	G	100UA 120	60 .010
	2SA536	PS 211	39	SAN	75	75R	5.0	.700	.500	C	175J		40.000	G	100UA 75	60 .010
	2SA537	PS 211	5	HIT	60	50	4.0	.700	.750	A	200J		200.000	G		80 .050
	2SA537A	PS 211	5	HIT	90	80	4.0	.700	.750	A	200J		200.000	G		80 .050
	2SA538	PG 120	1	TOS	25	18S	12.0	.050	.120	A	75J		8.000	B	50UA 25	60 .001
	2SA538-G	PG 120	1	TOS	25	18S	12.0	.050	.120	A	75J		8.000	B	50UA 25	60 .001
	2SA539	PS 42	92	NEC	60	45	5.0	.200	.250	A	125J				100NA 45	70 .150
	2SA542	PS 911 C		NEC	30	25R	5.0	.050	.150	A	150J		30.000	G	50NA 25	100 .001
	2SA543	PS 911 C		NEC	30	25R	5.0	.050	.150	A	150J		30.000	G	50NA 25	100 .001
	2SA544	PS 210	39	NEC	60	45	5.0	.200	.750	A	175J		160.000	G	200NA 45	100 .010
	2SA545	PS 42 A		NEC	60	55	5.0	.200	.400	A	125J				200NA 45	70 .150
	2SA552	PS 210	39	NEC	60	45	5.0	.200	.750	A	175J		160.000	G	100NA 45	100 .010
	2SA561-GRN	PS 45 C		TOS		50	5.0	.150	.300	A	125J		70.000	G	100NA 18	300 .020
	2SA561-ORG	PS 45 C		TOS		50	5.0	.150	.300	A	125J		70.000	G	100NA 18	105 .020
	2SA561-RED	PS 45 C		TOS		50	5.0	.150	.300	A	125J		70.000	G	100NA 18	60 .020
	2SA561-YEL	PS 45 C		TOS		50	5.0	.150	.300	A	125J		70.000	G	100NA 18	180 .020
	2SA562-GRN	PS 45 C		TOS		30	5.0	.400	.300	A	125J		70.000	G	100NA 18	300 .100
	2SA562-ORG	PS 45 C		TOS		30	5.0	.400	.300	A	125J		70.000	G	100NA 18	105 .100
	2SA562-RED	PS 45 C		TOS		30	5.0	.400	.300	A	125J		70.000	G	100NA 18	60 .100
	2SA562-YEL	PS 45 C		TOS		30	5.0	.400	.300	A	125J		70.000	G	100NA 18	180 .100
	2SA571	NS 210	39	NEC	60	45	5.0	1.000	5.000	C	175J		200.000	G	100NA 45	80 .050
	2SA594	PS 210	39	NEC	60	30	5.0	.200	.750	A	175J		100.000	G	100NA 30	85 .010
	2SA603	PS 210	18	NEC	60	40	8.0	.200	.300	A	150J		150.000	G	500NA 40	150 .100
	2SA604	NS 210	18	NEC	120	120X	5.0	.030	.300	A	150J				1UA 100	100 .001
	2SA605	NS 210	18	NEC	180	160	5.0	.050	.300	A	150J				100NA 100	60 .015
	2SA606	PS 210	39	NEC	100	80	5.0	.700	.700	A	150J		80.000	G	3UA 80	100 .200
	2SA631	PS 631	37	NEC	100	80	5.0	.700	1.000	A	150J		80.000	G	3UA 80	100 .200
	2SA613	PS 605	66	NEC	60	40R	7.0	1.000	15.000	A	150J				1UA 40	80 .500
	2SA614	PS 605	66	NEC	80	60R	7.0	1.000	15.000	A	150J				1UA 60	80 .500
	2SB22	PG 120 K		SAN	25		12.0	.200	.300	A	85J		1.000	B	15UA 20	150 .100
	2SB25			SEE 2SB425												
	2SB25-G			SEE 2SB425-G												
	2SB25-N	PG 605	3	MAT	60		12.0	.001	.025	A	85J		2.000	B	160UA 12	50 .001
	2SB26			SEE 2SB426												
	2SB26-G			SEE 2SB426-G												
-	2SB27	PG 605	3	SON	15	15R		.500	5.000	C	75J		.005	E	800UA 15	30
-	2SB28	PG 605	3	SON	15	15R		.500	5.000	C	75J		.005	E	800UA 15	70
-	2SB29	PG 605	3	SON	15	15R		.500	5.000	C	75J		.005	E	800UA 15	120
-	2SB30	PG 605	3	SON	15	15R		.500	5.000	C	75J		.005	E	800UA 15	70
-	2SB31	PG 605	3	SON	15	15R		.500	5.000	C	75J		.005	E	800UA 15	120
-	2SB40	PG 120	1	TOS	40		12.0	.100	.080	A	75J		.700	B	10UA 12	94 .100
-	2SB43	PG 120	1	TOS	25		12.0	.050	.150	A	75J		1.000	B	10UA 12	68 .050
-	2SB43A	PG 120	1	TOS	45		12.0	.150	.150	A	75J		1.000	B	10UA 12	68 .050
-	2SB44	PG 120	1	TOS	30		12.0	.050	.080	A	75J		.500	B	10UA 12	156 .001
	2SB47			SEE 2SB369-G												
-	2SB49	PG 210	5	SON	16	16R		.100	.140	A	65J		1.300	B	16UA 16	80

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.					
-	2SB50	PG 210	5	SON	16	16R		.100	.140	A	65J	1.600 B	16UA	16	130	
-	2SB51	PG 210	5	SON	30	20R		.200	.200	A	85J	1.000 B	16UA	30	40	
-	2SB52	PG 210	5	SON	30	20R		.200	.200	A	85J	1.300 B	16UA	30	80	
-	2SB53	PG 210	5	SON	30	25	15.0	.250	.200	A	85J	1.300 B	10UA	30	70	
	2SB54	PG 120	1	TOS	30		12.0	.150	.080	A	75J	1.000 B	14UA	30	74	.001
	2SB55	PG 120	1	TOS	60		12.0	.150	.150	A	75J	1.000 B	14UA	30	80	.050
	2SB56	PG 120	1	TOS	30		12.0	.150	.150	A	75J	1.000 B	14UA	30	80	.050
	2SB56A	PG 120	1	TOS	45		12.0	.150	.150	A	75J	1.000 B	14UA	12	80	.050
	2SB62			SEE 2SB462												
	2SB62-G			SEE 2SB462-G												
	2SB63			SEE 2SB463												
	2SB63-G			SEE 2SB463-G												
-	2SB64	PG 605	3	TOS	100		1.0	6.000	25.000	C	75J	1.000 B	330UA	12	78	1.000
	2SB66	PG 120	1	HIT	30		12.0	.070	.150	A	85J	.500 B	14UA	30	70	
	2SB67	PG 55 B		HIT	55	32	12.0	.150	.185	A	70J	1.000 B	10UA	30	45	
	2SB67A	PG 55 B		HIT	60		30.0	.150	.185	A	70J	1.000 B	10UA	30	45	
	2SB68	PG 170 B		HIT	105	105	5.0	.100	.050	A	85J	.350 B	14UA	25	50	
-	2SB69	PG 605	3	TOS	60		1.0	6.000	25.000	C	75J	1.000 B	330UA	12	78	1.000
	2SB73	PG 120	1	MAT	18		12.0	.040	.065	A	85J	1.000 B	7UA	12	80	.001
	2SB75	PG 120	1	HIT	25		12.0	.100	.150	A	85J	2.000 B	14UA	30	70	.001
	2SB75A	PG 120	1	HIT	45		12.0	.100	.150	A	70J	2.000 B	25UA	45	70	.001
-	2SB76	PG 120	1	HIT	12		2.5	.100	.150	A	85J	2.000 B	14UA	30	70	
	2SB77	PG 120	1	MAT,HIT	30		12.0	.100	.150	A	85J	1.000 B	10UA	30	80	.050
	2SB77A	PG 120	1	MAT,HIT	60		12.0	.100	.150	A	85J	1.000 B	10UA	30	80	.050
-	2SB78	PG 120	1	HIT	12		2.5	.070	.150	A	60A	AUD	14UA	30	100	
-	2SB80 C	PG 605 C		HIT	25		10.0	1.000	4.000	C	60A	AUD	400UA	25	70	
-	2SB81 C	PG 605 C		HIT	80	60	12.0	.500	2.000	C	70J		50UA	50	70	
-	2SB82 C	PG 605 C		HIT	100	60	12.0	.500	2.000	C	70J		35UA	50	70	
-	2SB83	PG 605	3	HIT	40	32S	10.0	3.000	12.000	C	80J	AUD	5MA	40	70	
	2SB84	PG 605	3	MAT	60		10.0	3.000	40.000	C	85J	AUD	500UA	30	55	3.000
	2SB89	PG 55 B		HIT	25	25S	12.0	.150	.250	A	85J	AUD	16UA	30	66	.150
	2SB89A	PG 55 B		HIT	45	45S	12.0	.150	.250	A	85J	AUD	50UA	45	66	.150
-	2SB94	PG 120	1	TOS	25		12.0	.050	.150	A	75J	1.000 B	14UA	25	76	.050
	2SB122			SEE 2SB424												
	2SB122-G			SEE 2SB424-G												
	2SB124			SEE 2SB236												
	2SB125			SEE 2SB237												
	2SB126	PG 605	3	MAT	32		10.0	3.500	30.000	C	90J	AUD	220UA	14	26	3.000
	2SB127	PG 605	3	MAT	32		12.0	3.500	30.000	C	90J	AUD	220UA	14	56	3.000
	2SB128	PG 605	3	MAT	80		40.0	6.000	30.000	C	90J	AUD	220UA	14	28	6.000
	2SB128A	PG 605	3	MAT	120		60.0	6.000	30.000	C	90J	AUD	220UA	14	28	6.000
	2SB129	PG 605	3	MAT	80		40.0	6.000	30.000	C	90J	AUD	220UA	14	50	6.000
	2SB130	PG 605 A		MAT	32		10.0	1.500	6.500	C	75J	AUD	100UA	14	50	.040
-	2SB140	PG 605	3	SON	40	20	12.0	1.500	12.000	C	85J	.005 E	600UA	40	74	
-	2SB141	PG 605	3	SON	60	40	12.0	1.500	12.000	C	85J	.007 E	600UA	60	74	
-	2SB142	PG 605	3	SON	30	30R		1.000	10.000	C	85J	.005 E	1MA	30	24	
-	2SB143	PG 605	3	SON	30	30R		1.000	10.000	C	85J	.005 E	1MA	30	38	
-	2SB144	PG 605	3	SON	30	30R		1.000	10.000	C	85J	.005 E	1MA	30	76	
-	2SB145	PG 605	3	SON	30	30R		1.000	10.000	C	85J	.005 E	1MA	30	38	
-	2SB146	PG 605	3	SON	30	30R		1.000	10.000	C	85J	.005 E	1MA	30	76	
	2SB148			SEE 2SB235												
	2SB149			SEE 2SB425												
	2SB149-N	PG 605	3	MAT	40		30.0	8.000	25.000	C	75J	.250 B	230UA	12	54	8.000
-	2SB150	PG 120	1	TOS	105		50.0	.040	.050	A	75J	.500 B	50UA	105	36	.005
	2SB155	PG 120	1	HIT	16		2.5	.300	.150	A	85J	.700 B	14UA	12	28	.001
	2SB156	PG 120	1	HIT	16	16S	2.5	.300	.450	C	85J	AUD	14UA	12	70	.150
	2SB156A	PG 120	1	HIT	20	20S	6.0	.300	.450	C	85J	AUD	14UA	12	70	.150
	2SB157	PG 105 B		MAT	7		7.0	.005	.010	A	55J	VIDAMP	100UA	1	35	
	2SB158	PG 105 B		MAT	7		7.0	.005	.010	A	55J	VIDAMP	100UA	1	55	
	2SB159	PG 105 B		MAT	7		7.0	.005	.010	A	55J	VIDAMP	100UA	1	80	
	2SB160	PG 105 B		MAT	7		7.0	.005	.010	A	55J	VIDAMP	120UA	2	75	
	2SB170	PG 120	1	MAT	32		10.0	.010	.125	A	75J	VIDAMP	3UA	10	30	
	2SB171	PG 120	1	MAT	32		10.0	.010	.125	A	75J	VIDAMP	3UA	10	50	
	2SB172	PG 120	1	MAT	32		10.0	.125	.125	C	75J	VIDAMP	12UA	10	50	.002
	2SB173	PG 120	1	MAT	20		10.0	.010	.125	A	75J	VIDAMP	3UA	10	60	
	2SB175	PG 120	1	MAT	32		10.0	.010	.125	A	75J	VIDAMP	3UA	10	100	
	2SB176	PG 120	1	MAT	32		10.0	.125	.125	C	75J	VIDAMP	12UA	10	90	.002
	2SB177	PG 120	1	MAT	60		10.0	.125	.125	C	75J	VID AMP	12UA	10	90	.002
	2SB178	PG 120 G		MAT	20		6.0	.300	.225	C	75J	VID AMP	20UA	12	96	.300
	2SB178A	PG 120 G		MAT	40		6.0	.300	.225	C	75J	VID AMP	20UA	12	96	.300
	2SB178B	PG 120 G		MAT	60		6.0	.300	.225	C	75J	VID AMP	20UA	12	66	.300
	2SB185	PG 120 J		SAN	25		12.0	.150	.200	A	85J	10.000 B	15UA	20	45	
	2SB186	PG 120 J		SAN	25		12.0	.150	.200	A	85J	10.000 B	15UA	20	100	
	2SB187	PG 120 J		SAN	25		12.0	.150	.200	A	85J	1.000 B	15UA	20	100	.030
	2SB188	PG 120 J		SAN	25		12.0	.150	.200	A	85J	10.000 B	15UA	20	100	
	2SB189	PG 120 F		TOS	25		12.0	.250	.250	A	75J	1.000 B	14UA	25	80	.100
-	2SB200	PG 170 K		TOS	32		12.0	.400	.250	A	75J	.500 B	40UA	12	68	.150
-	2SB200A	PG 170 K		TOS	45		12.0	.400	.250	A	75J	.500 B	40UA	12	68	.150
	2SB201	PG 211	5	TOS	35		12.0	.400	.300	A	75J	.500 B	30UA	12	112	.150
-	2SB202	PG 170 K		TOS	32		12.0	.400	.250	A	75J	.500 B	40UA	12	142	.150
	2SB203	PG 607 A		SEJ	40	30S	40.0	20.000	80.000	C	85J		5MA	40	40	
	2SB204	PG 607 A		SEJ	40	30S	40.0	30.000	80.000	C	85J		5MA	40	100	
	2SB205	PG 607 A		SEJ	80	60S		20.000	80.000	C	85J		5MA	80	400	
	2SB206	PG 607 A		SEJ	80	60S		30.000	80.000	C	85J		5MA	80	100	
	2SB207	PG 607 A		SEJ	100	75S	40.0	20.000	80.000	C	85J		5MA	100	40	
	2SB208	PG 607 A		SEJ	100	75S	40.0	30.000	80.000	C	85J		5MA	100	100	
	2SB209	PG 607 A		SEJ	40	30S	40.0	20.000	80.000	C	85J	.002 E	5MA	40	40	
	2SB210	PG 607 A		SEJ	40	30S	40.0	30.000	80.000	C	85J	.002 E	5MA	40	100	
	2SB211	PG 607 A		SEJ	80	60S	40.0	20.000	80.000	C	85J	.002 E	5MA	80	40	
	2SB212	PG 607 A		SEJ	80	60S	40.0	30.000	80.000	C	85J	.002 E	5MA	80	100	
	2SB213	PG 607 A		SEJ	100	75S	40.0	20.000	80.000	C	85J	.002 E	5MA	100	40	
-	2SB228	PG 605	3	HIT	80	35	50.0	5.000	12.000	C	91J		250UA	30	35	
-	2SB229	PG 605	3	HIT	100	40	50.0	5.000	12.000	C	91J		250UA	30	35	
-	2SB230	PG 605	3	HIT	120	50	50.0	5.000	12.000	C	91J		250UA	30	35	
	2SB231			SEE 2SC793												
	2SB231-G			SEE 2SC520A												
	2SB235	PG 405 A		TOS	80		25.0	15.000	60.000	C	85J	.300 B	1MA	12	90	15.000
	2SB236	PG 405 A		TOS	60		25.0	15.000	60.000	C	85J	.300 B	1MA	12	90	15.000
	2SB237	PG 405 A		TOS	36		25.0	15.000	60.000	C	85J	.300 B	1MA	12	90	15.000
	2SB257	PG 120	1	TOS	18		12.0	.040	.060	A	75J	5.000 B	3UA	12	100	.001
-	2SB258	PG 405 A		TOS	120		1.0	15.000	60.000	C	75J	1.500 B	4MA	12	108	5.000
-	2SB259	PG 405 A		TOS	80		1.0	15.000	60.000	C	75J	1.500 B	4MA	12	108	5.000
-	2SB260	PG 405 A		TOS	50		1.0	15.000	60.000	C	75J	1.500 B	4MA	12	108	5.000
	2SB265	PG 210	5	TOS	40		12.0	.100	.170	A	75J	1.300 B	10UA	12	94	.100
-	2SB274	PG 605	3	HIT	120	80	1.5	6.000	50.000	C	91J	1.000 B	1MA	30	70	
-	2SB275	PG 605	3	HIT	120	105	1.5	6.000	50.000	C	91J	1.000 B	1MA	30	70	
-	2SB276	PG 605	3	HIT	120	105	1.5	10.000	50.000	C	91J	1.000 B	1MA	30	40	
	2SB282	PG 605	3	MAT	80		40.0	6.000	30.000	C	90J	.250 G	100UA	1	30	6.000
	2SB283	PG 605	3	MAT	60		20.0	6.000	30.000	C	90J	.250 G	100UA	1	70	6.000
	2SB284	PG 605	3	MAT	60		20.0	6.000	30.000	C	90J	.250 G	100UA	1	40	6.000
	2SB285	PG 605	3	MAT	80		40.0	6.000	30.000	C	90J	.250 G	100UA	1	40	6.000
	2SB290	PG 210	5	TOS	18		12.0	.040	.065	A	75J	5.000 B	4UA	12	100	.001
	2SB291	PG 210	5	TOS	30		12.0	.150	.150	A	75J	1.000 B	10UA	12	78	.001
	2SB292	PG 210	5	TOS	30		12.0	.150	.150	A	75J	1.000 B	10UA	12	72	.050
	2SB292A	PG 210	5	TOS	60		12.0	.150	.150	A	75J	1.000 B	10UA	12	72	.050
-	2SB296	PG 605	3	TOS	130		3.0	10.000	35.000	C	75J	.300 B	1MA	50	64	1.000
	2SB300			SEE 2SC793												
	2SB300-G			SEE 2SC520A												
	2SB301-G			SEE 2SC521A												
-	2SB302	PG 120	1	HIT	10		5.0	.002	.020	A	60A	.007 B	6UA	12	80	
	2SB303	PG 120 J		SAN	25		12.0	.020	.100	A	85J	1.000 B	15UA	20	100	
	2SB306	PG 210	5	TOS	105		50.0	.020	.075	A	75J	.900 B	10UA	105	56	.002
	2SB309	PG 605	3	MAT	75		1.0	8.000	30.000	C	90J	.017 E	220UA	1	62	1.000
	2SB309A	PG 605	3	MAT		60R	1.0	8.000	30.000	C	90J	.017 E	150UA	1	62	1.000
	2SB324	PG 120	1	MAT	32		10.0	.500	.550	C	90J	.015 E	10UA	10	100	.300
	2SB331	PG 405	36	HIT	40	25	20.0	15.000	80.000	C	100J	.350 B	4MA	40	70	
	2SB332	PG 405	36	HIT	60	45	40.0	15.000	80.000	C	100J	.350 B	4MA	60	70	
	2SB333	PG 405	36	HIT	80	55	40.0	15.000	80.000	C	100J	.350 B	4MA	80	60	
	2SB334	PG 405	36	HIT	100	65	60.0	15.000	80.000	C	100J	.350 B	4MA	100	30	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}-	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2SB335	PG 105 E		MAT	20		10.0	.060	.083	A	75J		AUD		10UA	10	60	
	2SB336	PG 105 E		MAT	20		10.0	.060	.083	C	75J		AUD		10UA	10	72	
	2SB337	PG 605	3	HIT	40	30R	1.0	7.000	12.000	C	100J		AUD		1MA	30	90	1.000
	2SB338	PG 605	3	HIT	60		10.0	7.000	12.000	C	91J		AUD		1MA	30	75	
	2SB339	PG 605	3	HIT	80	35	50.0	10.000	12.000	C	90J		.250	B	250UA	30	110	
	2SB340	PG 605	3	HIT	100	40	50.0	10.000	12.000	C	90J		.250	B	250UA	30	50	
	2SB341	PG 605	3	HIT	120	50	50.0	10.000	12.000	C	90J		.250	B	250UA	30	50	
	2SB342	PG 605	3	SAN	120	120R	1.0	6.000	30.000	C	85J		1.500	B			50	5.000
	2SB343	PG 605	3	SAN	150	150R	1.0	6.000	30.000	C	85J		1.500	B			50	5.000
	2SB345	PG 120	1	MAT	32		10.0	.100	.165	A	75J		.017	E	10UA	10	124	
	2SB346	PG 120	1	MAT	32		10.0	.100	.165	A	75J		.017	E	10UA	10	180	
	2SB347	PG 120	1	MAT	32		10.0	.100	.165	A	75J		.017	E	10UA	10	124	
	2SB348	PG 120	1	MAT	32		10.0	.100	.165	A	75J		.017	E	10UA	10	180	
	2SB361	PG 605	3	HIT	80	40	1.0	5.000	12.000	C	90J		5.000	B	500UA	40	14	
	2SB362	PG 605	3	HIT	100	40	1.0	7.000	12.000	C	90J		5.000	B	500UA	40	14	
	2SB364	PG 120	1	TOS	20		12.0	.400	.150	A	75J		1.000	B	14UA	20	98	.100
	2SB365	PG 120	1	TOS	20		12.0	.400	.150	A	75J		1.000	B	14UA	20	58	.100
	2SB367	PG 605 B		HIT	25	20	12.0	1.000	4.000	C	85J		.500	B	100UA	12	100	.500
	2SB368	PG 605 B		HIT	45	35	12.0	1.000	4.000	C	85J		.500	B	100UA	12	85	.500
	2SB370	PG 120	1	HIT	25	18	6.0	.500	.200	A	85J		AUD		20UA	12	150	.150
	2SB370A	PG 120	1	HIT	32	25	12.0	.500	.200	A	85J		AUD		20UA	12	150	.150
	2SB371	PG 120	1	MAT	32		10.0	.200	.165	C	75J		.010	E	15UA	10	120	.050
	2SB375	PG 605	3	SAN	150	150R	1.0	9.000	30.000	C	85J		1.500	B			50	8.000
	2SB376	PG 120 G		MAT	20		6.0	.300	.225	C	75J		AUD		20UA	12	50	.300
	2SB377	PG 212	5	SON	32	32R		.150	.270	A	85J		1.400	B	10UA	32	120	.020
	2SB378	PG 212	5	SON	18	16R		.150	.180	A	65J		1.300	B	10UA	18	44	.020
	2SB379	PG 212	5	SON	18	16R		.150	.180	A	85J		1.500	B	10UA	18	90	.020
	2SB380	PG 212	5	SON	18	16R		.150	.180	A	85J		1.700	B	10UA	18	180	.020
	2SB381	PG 212	5	SON	32	30R		.300	.270	A	85J		1.300	B	10UA	32	44	.020
	2SB382	PG 212	5	SON	32	30R		.300	.270	A	85J		1.500	B	10UA	32	90	.020
	2SB383	PG 212	5	SON	32	30R		.500	.270	A	85J		1.500	B	10UA	32	90	.020
	2SB390	PG 605	3	SAN	80	80R	1.0	6.000	30.000	C	85J		1.500	B	5MA	80	50	5.000
	2SB391	PG 605	3	SAN	50	50R	1.0	6.000	30.000	C	85J		1.500	B	5MA	50	75	3.000
-	2SB392	PG 210	5	OKI	20	20S	13.0	.200	.150	A	85J				7UA	12	100	
-	2SB393	PG 210	5	OKI	28	20S	13.0	.200	.150	A	85J				7UA	12	44	
-	2SB394	PG 210	5	OKI	28	20S	13.0	.200	.150	A	85J				7UA	12	90	
-	2SB395	PG 210	5	OKI	28	20S	13.0	.200	.150	A	85J				7UA	12	160	
-	2SB396	PG 210	5	OKI	40	40S	13.0	.200	.150	A	85J				7UA	12	68	
	2SB400	PG 120 J		SAN	20		10.0	.040	.100	A	85J		1.000	B	15UA	20	120	
	2SB401	PG 212	5	MAT	40		10.0	.300	.240	C	85J		.300	G	10UA	10	40	.600
	2SB402	PG 212	5	MAT	60		10.0	.300	.240	C	85J		.300	G	10UA	10	40	.600
	2SB403	PG 212	5	MAT	40		20.0	.300	.240	C	85J		.700	G	10UA	10	80	.600
	2SB405	PG 120 J		SAN	25			1.000	.720	C	85J		.750	B	50UA	20	120	.200
	2SB407	PG 605	3	SAN	30	30R	10.0	7.000	30.000	C	85J		.400	G	500UA	30	80	1.000
	2SB410	PG 605	3	SAN	60	360	1.0	15.000	40.000	C	85J		3.000	G	250UA	30	60	1.000
	2SB411	PG 605	3	SAN	60	360	1.0	15.000	40.000	C	85J		.250	G	250UA	30	60	1.000
	2SB413			SEE 2SC490														
	2SB413-G			SEE 2SC524														
	2SB414			SEE 2SC490														
	2SB414-G			SEE 2SC525														
	2SB415	PG 120	1	TOS	32		6.0	1.000	.200	A	85J		1.000	B	14UA	12	86	.300
-	2SB416	PG 210	5	OKI	25	25S	13.0	.120	.150	A	85J				10UA	12	70	
-	2SB417	PG 210	5	OKI	45	45S	13.0	.120	.150	A	85J				10UA	12	70	
-	2SB418	PG 210	5	OKI	70	70S	13.0	.120	.150	A	85J				10UA	12	70	
	2SB419	PG 605 B		HIT	45		1.5	1.500	6.000	C	100J		AUD		250UA	12	100	.500
-	2SB421	PG 170 K		TOS	80		1.0	.600	.300	A	85J		2.500	B	50UA	50	68	.150
	2SB424	PG 605	3	TOS	80		40.0	3.000	30.000	C	85J		.300	B	160UA	12	62	1.000
	2SB425	PG 605	3	TOS	60		1.2	3.000	30.000	C	85J		.300	B	160UA	12	64	1.000
	2SB426	PG 605	3	TOS	32		1.2	3.000	30.000	C	85J		.300	B	160UA	12	64	1.000
	2SB434-ORG	PG 54 D		TOS	50		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	105	.500
	2SB434-RED	PG 54 D		TOS	50		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	65	.500
	2SB434-YEL	PG 54 D		TOS	50		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	180	.500
	2SB435-ORG	PG 54 D		TOS	35		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	105	.500
	2SB435-RED	PG 54 D		TOS	35		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	65	.500
	2SB435-YEL	PG 54 D		TOS	35		5.0	3.000	25.000	C	150J		3.000	G	200UA	20	180	.500
	2SB439	PG 120	1	TOS	30		12.0	.150	.150	A	75J		2.000	B	14UA	12	140	.001
	2SB440	PG 120	1	TOS	30		12.0	.150	.150	A	75J		2.000	B	14UA	12	140	.001
	2SB443	PG 120	1	HIT	18		12.0	.010	.100	A	85J		3.000	B	10UA	12	150	.001
	2SB444	PG 120	1	HIT	18		12.0	.010	.100	A	85J		3.000	B	7UA	12	160	.001
	2SB448	PG 605 A		MAT	32		10.0	3.000	13.000	C	90J		.015	E	1MA	32	50	1.000
	2SB449	PG 605	3	MAT	55		20.0	3.500	22.500	C	100J		.010	E	3MA	14	86	.003
	2SB459	PG 120	1	HIT	30	18R	2.5	.050	.120	A	200J		AUD		12UA	20	180	.001
	2SB460	PG 120	1	HIT	40	25R	2.5	.050	.120	A	200J		AUD		6UA	20	190	.001
	2SB462-BLU	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	150	.500
	2SB462-BLU-G	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	150	.500
	2SB462-RED	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	45	.500
	2SB462-RED-G	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	45	.500
	2SB462-YEL	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	75	.500
	2SB462-YEL-G	PG 605	66	TOS		60R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	75	.500
	2SB463-BLU	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	150	.500
	2SB463-BLU-G	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	150	.500
	2SB463-RED	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	45	.500
	2SB463-RED-G	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	45	.500
	2SB463-YEL	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	75	.500
	2SB463-YEL-G	PG 605	66	TOS		32R	12.0	2.000	6.000	C	85J		.900	B	70UA	12	75	.500
	2SB468	PG 605	3	HIT	200		1.5	10.000	10.000	C	85J		HOROSC		500UA	30	46	4.000
	2SB468A	PG 605	3	HIT	270		1.5	10.000	10.000	C	85J		AUD		500UA	30	46	4.000
	2SB471	PG 605	3	HIT	60	45R	10.0	10.000	30.000	C	90J		.300	B	500UA	30	90	1.000
	2SB472	PG 605	3	HIT	80	45R	10.0	10.000	30.000	C	90J		.300	B	500UA	30	90	1.000
	2SB473	PG 605 F		MAT	32		6.0	1.500	4.300	C	90J		.015	E	15UA	10	80	.500
	2SB474	PG 605 C		SAN	35	35R	6.0	2.000	12.000	C	85J		AUD		200UA	25	100	.200
	2SB475	PG 120	1	MAT	20		6.0	.300	.150	C	75J		AUD		20UA	12	60	.150
	2SB481	PG 605 F		MAT	32		10.0	3.000	6.000	C	90J		.015	E	1MA	32	50	1.000
	2SB482	PG 120	1	TOS	35		12.0	.050	.120	A	85J		7.000	G	6UA	20	205	.001
	2SB486	PG 120	1	TOS	25		12.0	.050	.120	A	85J		7.000	G	6UA	20	205	.001
	2SB492	PG 211	39	SAN	25	25R	6.0	2.000	6.000	C	85J		AUD		50UA	20	100	.200
	2SB496	PG 120	1	HIT	25	18R	2.5	.250	.300	A	85J		2.000	B	14UA	12	90	.050
	2SC13	NG 210	5	TOS	18		12.0	.040	.065	A	75J		3.500	B	9UA	12	40	.024
	2SC14	NG 210	5	TOS	18		12.0	.040	.065	A	75J		11.000	B	9UA	12	40	.024
-	2SC15-0	NS 211 C		SON	30	30R	5.0	.050	.750	A	175J		120.000	B	1UA	30	120	
-	2SC15-1	NS 211 C		SON	60	55R	5.0	.050	.750	A	175J		120.000	B	1UA	30	120	
-	2SC15-2	NS 211 C		SON	90	85R	5.0	.050	.750	A	175J		120.000	B	1UA	30	120	
-	2SC15-3	NS 211 C		SON	120	115R	5.0	.050	.750	A	175J		120.000	B	1UA	30	120	
	2SC16			SEE 2SC400														
	2SC16A			SEE 2SC400														
	2SC17			SEE 2SC400														
	2SC17A			SEE 2SC400														
	2SC18			SEE 2SC105														
	2SC19			SEE 2SC504														
	2SC20			SEE 2SC504														
	2SC21			SEE 2SC521A														
	2SC22	NS 170	8	NEC	75	50	5.0	.600	13.000	A	175J		240.000	G	2UA	50	50	.150
	2SC23	NS 170	8	NEC	75	50	5.0	.500	2.000	C	175J		110.000	G	5UA	50	50	.150
	2SC24	NS 170	8	NEC	100	70	5.0	.500	2.000	C	175J		110.000	G	5UA	50	50	.150
	2SC30	NS 210	39	NEC	60	30	5.0	.080	.500	A	150J		340.000	G	100NA	30	45	.010
	2SC31	NS 210	39	NEC	60	25	5.0	.200	.750	A	175J		100.000	G	100NA	30	35	.010
	2SC32	NS 210	39	NEC	60	25	5.0	.200	.750	A	175J		120.000	G	100NA	30	60	.010
	2SC33	NS 217	17	NEC	45	20	3.0	.050	.150	A	150J		320.000	G	100NA	20	55	.005
	2SC34	NG 35 E		MAT	20		20.0	.250	.140	C	75J		3.500	G	3UA	5	28	.200
	2SC35	NG 35 E		MAT	20		20.0	.400	.140	C	75J		4.500	G	3UA	5	130	.200
	2SC36	NG 35 E		MAT	20		20.0	.400	.140	C	75J		9.000	G	3UA	5	100	.200
	2SC41	NS 605 G		SON	150			5.000	50.000	C	150J		10.000	B	60MA	150	50	1.000
-	2SC42	NS 605 G		SON	150			5.000	50.000	C	150J		8.000	B	60MA	150	80	1.000
	2SC42A	NS 605 G		SON	200	75	6.0	5.000	50.000	C	150J		8.000	G	30UA	50	40	1.000
	2SC43	NS 605 G		SON	100		6.0	5.000	50.000	C	150J		8.000	B	60MA	150	28	1.000
	2SC44	NS 605 G		SON	50		6.0	5.000	50.000	C	150J		8.000	B	60MA	150	28	1.000
	2SC49	NS 210	5	NEC	120	70	6.0	.300	.800	A	175J		80.000	G	500NA	60	60	.150
	2SC58A	NS 211	5	MAT	135		5.0	.050	.750	A	175J		80.000	G	2UA	12	40	
	2SC59	NS 210	5	NEC	120	60	6.0	.300	.800	A	175J		80.000	G	500NA	60	35	.150

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}	h_{FE} @	I_C(A)
-	2SC62	NS 210 A		HIT	40	15	5.0	.050	.360	A	200J	300.000	G	25NA 15		
	2SC64	NS 211	39	SAN	100		2.0	.050	.600	A	175J	100.000	G	10UA 100	35	.005
	2SC65	NS 211	39	SAN	150		2.0	.050	.600	A	175J	100.000	G	10UA 150	30	.005
	2SC66	NS 211	39	SAN	150		2.0	.050	.600	A	175J	110.000	G	10UA 150	55	.005
	2SC67	NS 210	18	NEC	40	40S	5.0	.200	.360	A	175J	400.000	G	100NA 15	80	.010
	2SC68	NS 210	18	NEC	40	15	5.0	.200	.360	A	175J	300.000	G	100NA 15	100	.010
	2SC69	NS 210	5	NEC	120	60	6.0	.300	.800	A	175J	240.000	G	500NA 60	50	.150
	2SC70	NS 210	5	TOS	180		5.0	.020	.800	A	150J	50.000	G	1UA 30	46	.010
	2SC71	NG 210	5	TOS	18		12.0	.200	.150	A	85J	5.000	G	7UA 12	100	.100
	2SC72	NG 210	5	TOS	18		12.0	.200	.150	A	85J	7.000	G	7UA 12	100	.100
	2SC73	NG 35 B		SON	15	15		.005	.030	A	75J	6.500	B	8UA 15	50	
	2SC74	NS 210	5	TOS	30		5.0	.100	.600	A	150J	125.000	G	500NA 15	118	.010
	2SC75	NG 35 B		SON	15	15		.005	.030	A	75J	4.000	B	8UA 15	40	
	2SC76	NG 35 B		SON	15	15		.005	.030	A	75J	4.000	B	7UA 15	40	
	2SC77	NG 35 B		SON	15	15		.005	.030	A	75J	4.000	B	7UA 15	40	
	2SC78	NG 35 B		SON	15	15		.005	.030	A	75J	15.000	B	4UA 25	50	
	2SC80	NS 217	17	NEC	30	15	3.0	.080	.200	A	175J	100.000	G	100NA 20	55	.005
	2SC89	NG 210	5	HIT	25	15	20.0	.400	.120	A	85J	3.000	B	25UA 25	40	.001
	2SC90	NG 210	5	HIT	25	15	20.0	.400	.120	A	85J	5.000	B	25UA 25	40	.001
	2SC91	NG 210	5	HIT	25	15	20.0	.400	.120	A	85J	10.000	B	25UA 25	40	.001
	2SC92	NS 170	8	NEC	100	50	5.0	2.000	20.000	C	175J	280.000	G	100UA 50	35	.350
	2SC93	NS 170	8	NEC	75	45	5.0	2.000	2.000	A	175J	80.000	G	100UA 50	35	.350
	2SC94	NS 170	8	NEC	100	50	5.0	2.000	2.000	A	175J	80.000	G	100UA 50	35	.350
	2SC95			SEE 2SC510												
	2SC97	NS 210	39	NEC	60	30	5.0	1.000	.800	A	175J	90.000	G	1UA 40	60	.150
	2SC98	NG 211	18	MAT	20		5.0	.100	.300	C	175J	200.000	G	10UA 20	45	.010
	2SC99	NG 211	18	MAT	20		5.0	.100	.300	C	175J	200.000	G	10UA 20	80	.010
	2SC101	NS 605 C		TOS	60		5.5	2.000	60.000	C	150J	7.000	G	3MA 20	74	1.000
	2SC101A	NS 605	66	TOS	70	50	5.0	3.000	35.000	C	150J	20.000	G	1MA 50	105	1.000
	2SC102	NS 405 A		TOS	50		5.0	7.000	100.000	C	150J	8.000	G	30MA 50	30	5.000
	2SC103			SEE 2SC400												
	2SC103A			SEE 2SC400												
	2SC104			SEE 2SC400												
	2SC104A			SEE 2SC400												
	2SC105	NS 210	18	TOS	30		5.0	.080	.250	A	175J	120.000	G	5NA 15	80	.001
	2SC106	NS 170	8	TOS	60		5.0	2.000	15.000	C	150J	30.000	G	3MA 30	20	.500
	2SC107	NS 170	8	TOS	60		5.0	1.500	15.000	C	150J	30.000	G	3MA 30	20	.500
	2SC108	NS 210	5	TOS	90		5.0	.600	.600	A	150J	100.000	G	1UA 30	40	.150
	2SC109	NS 210	5	TOS	50		5.0	.600	.600	A	150J	70.000	G	1UA 30	40	.150
-	2SC112	NS 211	5	HIT	40	20	5.0	.200	.750	A	175J	180.000	B	1UA 20	80	
-	2SC113	NS 211	5	HIT	50	25	5.0	.200	.750	A	175J	180.000	B	1UA 20	80	
-	2SC115-1	NS 211 C		SON	30	25R	5.0	.050	.750	A	175J	100.000	G	3UA 30	140	
-	2SC115-2	NS 211 C		SON	45	45R	5.0	.050	.750	A	175J	100.000	G	3UA 30	140	
-	2SC115-3	NS 211 C		SON	70	70R	5.0	.050	.750	A	175J	100.000	G	3UA 30	140	
	2SC116	NS 211	5	HIT	50	25	5.0	.200	.750	A	175J	70.000	G	1UA 20	52	.200
	2SC117	NS 171	8	HIT	75	50	5.0	.600	2.000	A	175J	60.000	G	5UA 40	10	
-	2SC118	NS 171	8	HIT	80		5.0	.600	2.000	A	175J	70.000	G	5UA 40	10	
-	2SC119	NS 171	8	HIT	75		5.0	.600	2.000	A	175J	70.000	G	5UA 40	10	
	2SC120	NS 210	39	NEC	40	25	1.0	.025	.250	A	150J	80.000	G	100NA 110	40	.001
	2SC121	NS 210	39	NEC	40	25	1.0	.025	.250	A	175J	80.000	G	1UA 30	40	.001
	2SC122	NS 210	39	NEC	40	25	1.0	.025	.250	A	175J	80.000	G	1UA 30	90	.001
	2SC123	NS 210	39	NEC	40	25	1.0	.025	.250	A	175J	80.000	G	1UA 30	140	.001
	2SC124	NS 210	39	NEC	40	25	1.0	.025	.250	A	175J	80.000	G	200NA 30	40	.001
-	2SC125	NS 211 C		SON	100	100R	5.0	.050	.750	A	175J	100.000	G	3UA 30	80	
-	2SC126	NS 211 C		SON	140	140R	5.0	.050	.750	A	175J	100.000	G	3UA 30	80	
	2SC128	NG 212	5	MAT	30		20.0	.100	.125	C	75J	4.000	G	3UA 5	30	.200
	2SC129	NG 212	5	MAT	25		20.0	.100	.125	C	75J	6.000	G	3UA 5	40	.200
	2SC138	NS 217	33	NEC	60	30	5.0	.500	3.000	C	175J	320.000	G	1UA 40	50	.030
	2SC138A	NS 217	33	NEC	60	30	5.0	.500	.800	A	175J	360.000	G	1UA 40	50	.030
	2SC139	NS 217	33	NEC	60	30	5.0	.500	.800	A	175J	250.000	G	150NA 30	50	.030
-	2SC141	NS 211	18	OKI	20	12	4.0	.200	.360	A	175J	150.000	G	200NA 15	40	
-	2SC142	NS 211	18	OKI	30	14	5.0	.200	.360	A	175J	200.000	G	100NA 15	40	
-	2SC143	NS 211	18	OKI	40	18	5.0	.200	.360	A	175J	260.000	G	100NA 15	60	
-	2SC144	NS 211	18	OKI	50	25	5.0	.200	.360	A	175J	260.000	G	100NA 15	60	
-	2SC144A	NS 211	18	OKI	60	30	5.0	.200	.360	A	175J	260.000	G	100NA 15	60	
-	2SC147A	NS 211 C		SON	30	25R	5.0	1.000	.750	A	175J	100.000	G	5UA 30	70	
-	2SC147B	NS 211 C		SON	60	40R	5.0	1.000	.750	A	175J	100.000	G	5UA 30	70	
	2SC150	NS 211	5	HIT	20		5.0	.100	.750	A	175J	100.000	B	1UA 20	50	
	2SC151	NS 211	5	HIT	40		5.0	.100	.750	A	175J	130.000	B	1UA 20	50	
	2SC152	NS 211	5	HIT	60		5.0	.100	.750	A	175J	160.000	B	1UA 20	50	
-	2SC153	NS 211	5	HIT	120		40.0	.100	.750	A	175J	350.000	B	1UA 120	40	
	2SC154	NS 211	5	HIT	120	70	5.0	.100	.750	A	175J	200.000	G		50	.010
	2SC154A	NS 211	5	HIT	150		5.0	.100	.750	A	175J	220.000	G		50	.010
	2SC154B	NS 211	5	HIT	180		5.0	.100	.750	A	175J	220.000	G		50	.010
	2SC154C	NS 211	5	HIT	200		6.0	.100	.750	A	175J	120.000	G	100NA 100	90	.025
	2SC161			SEE 2SC521A												
-	2SC162	NS 211	5	OKI	30	14	5.0	.250	.600	A	175J	130.000	G	100NA 15	60	
-	2SC163	NS 211	5	OKI	50	25	5.0	.250	.600	A	175J	260.000	G	100NA 15	70	
-	2SC164	NS 211	5	OKI	60	30	5.0	.250	.600	A	175J	260.000	G	100NA 15	70	
-	2SC165	NS 211	5	OKI	60	30	5.0	.300	.900	A	175J	260.000	G	100NA 15	70	
-	2SC166	NS 210 A		HIT	30	30	5.0	.030	.200	A	175J	20.000	B	100NA 12	100	
-	2SC167	NS 210 A		HIT	55	45	5.0	.030	.200	A	175J	20.000	B	100NA 12	75	
	2SC179	NG 120	1	HIT	25	15	20.0	.200	.120	A	85J	3.000	B	8UA 12	60	
	2SC180	NG 120	1	HIT	25	15	20.0	.400	.120	A	85J	5.000	B	8UA 12	70	
	2SC181	NG 120	1	HIT	25	12	20.0	.400	.120	A	85J	10.000	B	8UA 12	110	
	2SC182	NS 911 C		NEC	25	15	5.0	.150	.150	A	150J	30.000	G	1UA 20	100	.020
	2SC183	NS 911 C		NEC	20	18R	5.0	.030	.100	A	125J	60.000	G	100NA 15	75	
	2SC184	NS 911 C		NEC	20	18R	5.0	.030	.100	A	125J	100.000	G	100NA 15	75	.001
	2SC185	NS 911 C		NEC	20	18R	5.0	.030	.100	A	125J	150.000	G	100NA 15	75	.001
-	2SC191	NS 210	5	SON	60	54R		.010	.250	A	150J	12.000	B	2UA 60	80	
-	2SC192	NS 210	5	SON	60	54R		.010	.250	A	150J	2.500	B	2UA 60	80	
-	2SC193	NS 210	5	SON	60	54R		.010	.250	A	150J	12.000	B	2UA 60	80	
-	2SC194	NS 210	5	SON	60	54R		.010	.250	A	150J	34.000	B	2UA 60	80	
-	2SC195	NS 210	5	SON	30	27R		.010	.250	A	150J	2.500	B	1UA 30	80	
-	2SC196	NS 210	5	SON	30	27R		.010	.250	A	150J	12.000	B	1UA 30	80	
-	2SC197	NS 210	5	SON	30	27R		.010	.250	A	150J	34.000	B	1UA 30	80	
	2SC199	NS 210	5	TOS	80		15.0	.050	.600	A	175J	50.000	G	100NA 15	76	.003
	2SC240	NS 605	3	NEC	100	60	5.0	5.000	75.000	C	175J			5MA 100	35	1.000
	2SC241	NS 605	3	NEC	60	40	5.0	5.000	75.000	C	175J			10MA 60	40	1.000
	2SC242	NS 605	3	NEC	100	60	5.0	5.000	75.000	C	175J			10MA 100	40	1.000
	2SC243	NS 605	3	NEC	140	80	5.0	5.000	75.000	C	175J			10MA 140	40	1.000
	2SC251	NS 217	72	NEC	30	15	3.0	.030	.200	A	150J	600.000	G	1UA 15	50	.005
	2SC251A	NS 217	72	NEC	30	15	3.0	.030	.200	A	150J	600.000	G	1UA 15	50	.005
	2SC252	NS 217	72	NEC	30	15	3.0	.030	.200	A	150J	500.000	G	150NA 15	50	.005
	2SC253	NS 217	72	NEC	30	15	3.0	.030	.200	A	150J	600.000	G	150NA 15	50	.005
-	2SC260	NS 171	8	OKI	30	25	5.0	.800	1.500	A	175J	120.000	G	1UA 20	74	
-	2SC261	NS 171	8	OKI	60	40	5.0	.800	1.500	A	175J	120.000	G	1UA 20	74	
-	2SC262	NS 171	8	OKI	80	50	5.0	.800	1.500	A	175J	120.000	G	1UA 20	74	
-	2SC263	NS 912 A		OKI	15	10	4.0	.120	.150	A	150J	80.000	G	400NA 9	44	
-	2SC264	NS 912 A		OKI	30	14	5.0	.120	.150	A	150J	200.000	G	100NA 9	50	
-	2SC265	NS 912 A		OKI	40	18	5.0	.120	.150	A	150J	200.000	G	100NA 9	60	
	2SC266	NS 911 C		NEC	30	20	5.0	.030	.100	A	150J	200.000	G	100NA 25	75	.001
	2SC267	NS 911 C		NEC	35	20	5.0	.200	.150	A	150J	30.000	G	1UA 35	70	.020
	2SC268	NS 911 C		NEC	60	60X	5.0	.030	.150	A	150J	60.000	G	5UA 50	40	.001
	2SC268A	NS 911 C		NEC	80	80X	5.0	.030	.150	A	150J	60.000	G	5UA 50	40	.001
	2SC269	NS 911 C		NEC	25	20S	5.0	.200	.150	A	150J	200.000	G	1UA 15	90	.010
	2SC270	NS 605 G		SON	270	75	6.0	5.000	50.000	C	150J	10.000	G	1MA 50	40	2.000
	2SC271	NS 911 C		NEC	25	12	3.0	.030	.100	A	150J	800.000	G	100NA 12	70	.002
	2SC272	NS 911 C		NEC	25	12	4.0	.020	.100	A	150J	1000.000	G	100NA 12	70	.002
	2SC273	NS 210	39	NEC	120	120R	5.0	.050	.500	A	150J	1100.000	G	1UA 60	50	.003
	2SC281	NS 120	1	HIT	30	20	5.0	.100	.200	A	175J	80.000	G	100NA 20	186	.010
	2SC282	NS 120	1	HIT	30	20	5.0	.100	.350	A	175J	100.000	G	100NA 20	140	.010
	2SC283	NS 120	1	HIT	50	20	5.0	.100	.350	A	175J	80.000	G	100NA 20	86	.010
	2SC284	NS 120	1	HIT	70	25	5.0	.100	.350	A	75J	100.000	G	100NA 20	65	.010
	2SC287A	NS 911 C		NEC	35	15	4.0	.020	.150	A	150J	600.000	G	1UA 15	80	.001
	2SC288A	NS 911 C		NEC	35	15	4.0	.020	.150	A	150J	600.000	G	1UA 15	80	.001
	2SC289	NS 911 C		NEC	25	12	4.0	.010	.100	A	150J	600.000	G	100NA 12	70	.002
	2SC291	NS 211 C		SON	70	40	5.0	3.000	1.000	A	175J	35.000	G	3UA 30	38	1.000
	2SC292	NS 211 C		SON	100	60	5.0	3.000	1.000	A	175J	35.000	G	3UA 30	70	.100

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.					
	2SC293	NS 211 C		SON	130	80	5.0	3.000	1.000 A		175J	35.000 G	3UA	30	70	.100
	2SC297	NS 631 B		SON	70	40	5.0	3.000	10.000 C		175J	35.000 G	3UA	30	38	1.000
	2SC298	NS 631 B		SON	100	60	5.0	3.000	10.000 C		175J	35.000 G	3UA	30	70	.100
	2SC299	NS 631 B		SON	130	80	5.0	3.000	10.000 C		175J	35.000 G	3UA	30	70	.100
	2SC313	NS 280 A		HIT	30	12	2.0	.020	.200 A		200J	600.000 G	500NA	10	40	.010
	2SC316	NS 211	18	MAT	45		5.0	.050	.300 A		175J	80.000 G	10NA	10	250	
	2SC317	NS 120	1	HIT	70	50	5.0	.100	.350 A		175J	100.000 G	100NA	20	85	.010
	2SC318	NS 210 G		SON	50	30	5.0	.100	.300 A		175J	150.000 G	200NA	25	90	.001
	2SC319	NS 210	39	NEC	40	20	4.0	.600	1.750 C		175J	350.000 G	500NA	20	40	.100
	2SC320	NS 210	39	NEC	40	20	4.0	.800	2.500 C		175J	400.000 G	500NA	20	40	.100
	2SC321	NS 210 A		HIT	40	15	5.0	.200	.360 A		175J	300.000 G	250NA	20	60	.010
	2SC323			SEE 2SC400												
	2SC350	NS 120	1	HIT	30	20	5.0	.100	.200 A		175J	100.000 G	10NA	20	120	.001
	2SC352	NS 211 C		SON	50	30	5.0	.100	.750 A		175J	100.000 G	200NA	25	90	.001
	2SC353	NS 211 C		SON	100	60	5.0	.100	.750 A		175J	100.000 G	200NA	25	90	.001
	2SC356	NS 210	46	NEC	30	15	5.0	.200	.300 A		175J	200.000 G	1UA	20	60	.010
	2SC360			SEE 2SC400												
	2SC361			SEE 2SC371												
	2SC361-G			SEE 2SC371-G												
	2SC362			SEE 2SC372												
	2SC362-G			SEE 2SC372-G												
	2SC363			SEE 2SC373												
	2SC363-G			SEE 2SC373-G												
	2SC366-ORG-G	NS 45 C		TOS	60	40	5.0	.400	.300 A		125J	100.000 G	500NA	18	60	.100
	2SC366-RED-G	NS 45 C		TOS	60	40	5.0	.400	.300 A		125J	100.000 G	500NA	18	60	.100
	2SC367	NS 45 C		TOS	40		5.0	.400	.300 A		125J	100.000 B	500NA	18	180	.100
	2SC367-ORG-G	NS 45 C		TOS	40	20	5.0	.400	.300 A		125J	100.000 G	500NA	18	105	.100
	2SC367-RED-G	NS 45 C		TOS	60	40	5.0	.400	.300 A		125J	100.000 G	500NA	18	60	.100
	2SC367-YEL-G	NS 45 C		TOS	40	20	5.0	.400	.300 A		125J	100.000 G	500NA	18	105	.100
	2SC368	NS 210	18	TOS	25		5.0	.100	.250 A		175J	100.000 G	100NA	18	350	.001
	2SC369	NS 45 C		TOS	25		5.0	.100	.200 A		125J	100.000 G	100NA	18	350	.001
	2SC369-BLU-G	NS 45 C		TOS	25	18	5.0	.100	.250 A		125J	100.000 G	100NA	18	450	.001
	2SC369-GRN-G	NS 45 C		TOS	25	18	5.0	.100	.250 A		125J	100.000 G	100NA	18	250	.001
	2SC370	NS 45 C		TOS	35		4.0	.100	.200 A		125J	80.000 G	500NA	18	36	.002
	2SC370-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	37	.010
	2SC370-T	NS 45 C		TOS		40R	4.0	.100	.200 A		125J	80.000 G	500NA	18	38	.002
	2SC371	NS 45 C		TOS	35		4.0	.100	.200 A		125J	80.000 G	500NA	18	80	.002
	2SC371-ORG-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	105	.010
	2SC371-RED-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	60	.010
	2SC371-T	NS 45 C		TOS		40R	4.0	.100	.200 A		125J	80.000 G	500NA	18	38	.002
	2SC372	NS 45 C		TOS	35		4.0	.100	.200 A		125J	80.000 G	500NA	18	140	.002
	2SC372-ORG-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	105	.010
	2SC372-YEL-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	180	.010
	2SC373	NS 45 C		TOS	35		4.0	.100	.200 A		125J	80.000 G	500NA	18	276	.002
	2SC373-G	NS 45 C		TOS	35	30	5.0	.100	.200 A		125J	80.000 G	500NA	18	300	.010
	2SC374	NS 45 C		TOS	35		4.0	.100	.200 A		125J	80.000 G	500NA	18	500	.002
	2SC376	NS 45 C		TOS	70		4.0	.100	.200 A		125J	100.000 G	1UA	18	60	.002
	2SC377-BRN	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	38	.002
	2SC377-ORG	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	105	.002
	2SC377-RED	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	60	.002
	2SC378-ORG	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	105	.002
	2SC378-RED	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	60	.002
	2SC378-YEL	NS 45 C		TOS	30		4.0	.030	.200 A		125J	80.000 G	500NA	18	180	.002
	2SC380-ORG	NS 45 C		TOS	30		4.0	.030	.200 A		125J	100.000 G	500NA	18	105	.002
	2SC380-RED	NS 45 C		TOS	30		4.0	.030	.200 A		125J	100.000 G	500NA	18	60	.002
	2SC380-YEL	NS 45 C		TOS	30		4.0	.030	.200 A		125J	100.000 G	500NA	18	180	.002
	2SC381-BRN	NS 45 C		TOS	30		4.0	.020	.100 A		125J	250.000 G	500NA	18	38	.001
	2SC381-ORG	NS 45 C		TOS	30		4.0	.020	.100 A		125J	250.000 G	500NA	18	105	.001
	2SC381-RED	NS 45 C		TOS	30		4.0	.020	.100 A		125J	250.000 G	500NA	18	60	.001
	2SC382	NS 45 C		TOS	40		2.0	.050	.150 A		125J	250.000 G	500NA	18	60	.004
	2SC383	NS 45 C		TOS	40		3.0	.050	.300 A		125J	300.000 G	25NA	10	45	.013
	2SC385	NS 45 C		TOS		20	2.0	.020	.200 A		125J	350.000 G	500NA	15	24	.008
	2SC386	NS 45 C		TOS		20	2.0	.020	.200 A		125J	350.000 G	500NA	15	24	.008
	2SC387	NS 45 C		TOS	20		2.0	.050	.200 A		125J	500.000 G	500NA	15	40	.008
	2SC387-G	NS 45 C		TOS	20	12	2.0	.050	.200 A		125J	650.000 G	500NA	15	30	.008
	2SC388A	NS 45 C		TOS	25		3.0	.050	.300 A		125J	300.000 G	25NA	10	70	.013
	2SC389	NS 217	72	TOS	30	20	3.0	.020	.150 A		150J	400.000 G	100NA	10	90	.004
	2SC391	NS 217	72	TOS	20	15	2.0	.020	.150 A		150J	800.000 G	1UA	10	120	.010
	2SC394-GRN	NS 45 C		TOS	30		4.0	.100	.200 A		125J	100.000 G	500NA	18	180	.002
	2SC394-ORG	NS 45 C		TOS	30		4.0	.100	.200 A		125J	100.000 G	500NA	18	60	.002
	2SC394-RED	NS 45 C		TOS	30		4.0	.100	.200 A		125J	100.000 G	500NA	18	38	.002
	2SC394-YEL	NS 45 C		TOS	30		4.0	.100	.200 A		125J	100.000 G	500NA	18	105	.002
	2SC395A-ORG	NS 211	18	TOS	20	12	5.0	.500	.300 A		175J	200.000 G	100NA	20	90	.010
	2SC395A-RED	NS 211	18	TOS	20	12	5.0	.500	.300 A		175J	200.000 G	100NA	20	47	.010
	2SC395A-YEL	NS 211	18	TOS	20	12	5.0	.500	.300 A		175J	200.000 G	100NA	20	150	.010
	2SC397	NS 217	72	TOS	20	12	2.0	.050	.200 A		175J	600.000 G	500NA	15	30	.008
	2SC398	NS 217	72	TOS	20		3.0	.020	.200 A		150J	250.000 G	50NA	10	70	.004
	2SC399	NS 217	72	TOS	20		3.0	.020	.200 A		150J	250.000 G	50NA	10	70	.004
	2SC400	NS 210	18	TOS	30		5.0	.100	.250 A		175J	100.000 G	500NA	15	118	.010
	2SC401	NS 50 C		SON	50	25	3.0	.100	.100 A		120J	100.000 G	200NA	25	90	.001
	2SC402	NS 50 C		SON	50	25	3.0	.100	.100 A		120J	100.000 G	200NA	25	90	.001
	2SC403	NS 50 C		SON	50	25	3.0	.100	.100 A		120J	100.000 G	200NA	25	60	.001
	2SC404	NS 50 C		SON	50	25	3.0	.050	.100 A		120J	100.000 G	200NA	25	90	.001
	2SC423	NS 211	39	SAN	40	20	5.0	.300	.500 A		175J	350.000 G	1UA	35	80	.020
	2SC424	NS 211	39	SAN	40	20	5.0	.300	.200 A		175J	350.000 G	1UA	35	80	.020
	2SC425	NS 211	39	SAN	20	10	5.0	.300	.500 A		175J	350.000 G	1UA	15	80	.020
	2SC426	NS 211	39	SAN	20	10	5.0	.100	.200 A		175J	350.000 G	1UA	15	80	.020
	2SC427	NS 211	18	SAN	40	20	5.0	.100	.300 A		175J	350.000 G	1UA	35	60	.020
	2SC428	NS 211	18	SAN	20	10	5.0	.100	.300 A		175J	350.000 G	1UA	15	60	.001
	2SC429	NS 911 C		NEC	25	12	2.0	.010	.100 A		150J	250.000 G	100NA	12	16	.001
	2SC430	NS 911 C		NEC	25	12	2.0	.010	.100 A		150J	300.000 G	1UA	12	20	.001
	2SC454	NS 50 A		HIT	30	30	5.0	.100	.200 A		125J	230.000 G	500NA	18	150	.002
	2SC455	NS 50 A		HIT	30	30	5.0	.100	.200 A		125J	230.000 G	500NA	18	46	.002
	2SC456	NS 211	5	MAT	50		1.5	.600	.750 A		175J	150.000 G	1UA	12	20	
	2SC458	NS 50 A		HIT	30	30	5.0	.100	.200 A		125J	230.000 G	500NA	18	150	.002
	2SC459	NS 50 A		HIT	30		5.0	.100	.200 A		125J	230.000 G	500NA	18	110	.002
	2SC460	NS 50 A		HIT	30		5.0	.100	.200 A		125J	230.000 G	500NA	18	98	.002
	2SC461	NS 50 A		HIT	30		5.0	.100	.200 A		125J	230.000 G	500NA	18	86	.002
	2SC463	NS 211	5	HIT	35		4.0	.020	.150 A		175J	400.000 G	100NA	10	73	.002
	2SC464	NS 280 A		HIT	30	19	2.0	.050	.200 A		200J	600.000 G	500NA	10	40	.001
	2SC465	NS 280 A		HIT	30		2.0	.050	.200 A		200J	500.000 G	500NA	10	40	.001
	2SC466	NS 280 A		HIT	30		2.0	.050	.200 A		200J	500.000 G	500NA	10	40	.001
	2SC468	NS 170 J		HIT	40	15	5.0	.200	.200 A		175J	300.000 G	250NA	20	85	.010
	2SC469	NS 911 C		NEC	20	18R	5.0	.030	.100 A		125J	150.000 G	100NA	15	90	.001
	2SC470-3	NS 211 C		SON	90	70	5.0	.100	.750 A		175J	VID AMP	1UA	25	60	.001
	2SC470-4	NS 211 C		SON	120	100	5.0	.100	.750 A		175J	VID AMP	1UA	25	60	.001
	2SC470-5	NS 211 C		SON	150	130	5.0	.100	.750 A		175J	VID AMP	1UA	25	60	.001
	2SC470-6	NS 211 C		SON	180	150	5.0	.100	.750 A		175J	VIDAMP	1UA	25	60	.001
	2SC475	NS 911 C		NEC	20	15	5.0	.100	.150 A		150J	50.000 G	100NA	15	300	.001
	2SC476	NS 911 C		NEC	20	15	5.0	.100	.150 A		150J	50.000 G	100NA	15	350	.001
	2SC477	NS 217	72	MAT	50		5.0	.030	.140 A		175J	230.000 G	1UA	10	85	
	2SC478	NS 211	18	MAT	50		1.5	.120	.300 A		175J	150.000 G	1UA	12	20	
	2SC479	NS 211	5	HIT	60	40	5.0	.600	.650 A		175J	HSSW	1UA	40	72	.100
	2SC481	NS 605	3	TOS	60		2.0	1.000	.600 C		150J	100.000 G	10UA	30	46	.100
	2SC482-GRN	NS 211	39	TOS		32	5.0	.600	.600 H		175J	50.000 G	1UA	30	200	.150
	2SC482-ORG	NS 211	39	TOS		32	5.0	.600	.600 H		175J	50.000 G	1UA	30	45	.150
	2SC482-YEL	NS 211	39	TOS		32	5.0	.600	.600 H		175J	50.000 G	1UA	30	100	.150
	2SC483			SEE 2SC791												
	2SC484-BLU	NS 211	39	TOS		110	5.0	1.500	.800 A		150J	20.000 G	10UA	30	175	.200
	2SC484-RED	NS 211	39	TOS		110	5.0	1.500	.800 A		150J	20.000 G	10UA	30	51	.200
	2SC484-YEL	NS 211	39	TOS		110	5.0	1.500	.800 A		150J	20.000 G	10UA	30	85	.200
	2SC485-BLU	NS 211	39	TOS		80	5.0	1.500	.800 A		150J	20.000 G	10UA	30	175	.200
	2SC485-RED	NS 211	39	TOS		80	5.0	1.500	.800 A		150J	20.000 G	10UA	30	51	.200
	2SC485-YEL	NS 211	39	TOS		80	5.0	1.500	.800 A		150J	20.000 G	10UA	30	85	.200
	2SC486-BLU	NS 211	39	TOS		50	5.0	1.500	.800 A		150J	20.000 G	10UA	30	175	.200
	2SC486-RED	NS 211	39	TOS		50	5.0	1.500	.800 A		150J	20.000 G	10UA	30	51	.200
	2SC486-YEL	NS 211	39	TOS		50	5.0	1.500	.800 A		150J	20.000 G	10UA	30	85	.200
	2SC489-BLU	NS 605	66	TOS		80	5.0	3.000	16.000 C		150J	10.000 G	150UA	50	120	.500
	2SC489-RED	NS 605	66	TOS		80	5.0	3.000	16.000 C		150J	10.000 G	150UA	50	35	.500

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	2SC489-YEL	NS 605	66	TOS		80	5.0	3.000	16.000 C		150J	10.000 G		150UA 50	70	.500
	2SC490-BLU	NS 605	66	TOS		50	5.0	3.000	16.000 C		150J	10.000 G		150UA 50	120	.500
	2SC490-RED	NS 605	66	TOS		50	5.0	3.000	16.000 C		150J	10.000 G		150UA 50	40	.500
	2SC490-YEL	NS 605	66	TOS		50	5.0	3.000	16.000 C		150J	10.000 G		150UA 50	70	.500
	2SC491-BLU	NS 605	66	TOS		35	5.0	1.500	15.000 C		150J	30.000 G		10UA 30	147	.500
	2SC491-RED	NS 605	66	TOS		35	5.0	1.500	15.000 C		150J	30.000 G		10UA 30	45	.500
	2SC491-YEL	NS 605	66	TOS		35	5.0	1.500	15.000 C		150J	30.000 G		10UA 30	75	.500
	2SC492	NS 605	3	TOS	110		5.0	5.000	50.000 C		150J	20.000 B		10MA 50	70	1.000
	2SC493	NS 605	3	TOS	80		5.0	5.000	50.000 C		150J	20.000 B		10MA 50	70	1.000
	2SC494	NS 605	3	TOS	50		5.0	5.000	50.000 C		150J	20.000 B		10MA 50	70	1.000
	2SC495-ORG	NS 48 A		TOS		50	5.0	.800	.550 A		125J	100.000 G		1UA 30	105	.050
	2SC495-RED	NS 48 A		TOS		50	5.0	.800	.550 A		125J	100.000 G		1UA 30	60	.050
	2SC495-YEL	NS 48 A		TOS		50	5.0	.800	.550 A		125J	100.000 G		1UA 30	180	.050
	2SC496-ORG	NS 48 A		TOS		30	5.0	.800	.550 A		125J	100.000 G		1UA 30	105	.050
	2SC496-RED	NS 48 A		TOS		30	5.0	.800	.550 A		125J	100.000 G		1UA 30	60	.050
	2SC496-YEL	NS 48 A		TOS		30	5.0	.800	.550 A		125J	100.000 G		1UA 30	180	.050
	2SC497-ORG	NS 211	39	TOS		80	5.0	.800	.600 A		150J	80.000 G		1UA 30	105	.200
	2SC497-RED	NS 211	39	TOS		80	5.0	.800	.600 A		150J	80.000 G		1UA 30	60	.200
	2SC497-YEL	NS 211	39	TOS		80	5.0	.800	.600 A		150J	80.000 G		1UA 30	180	.200
	2SC498-ORG	NS 211	39	TOS		50	5.0	.800	.600 A		150J	80.000 G		1UA 30	105	.200
	2SC498-RED	NS 211	39	TOS		50	5.0	.800	.600 A		150J	80.000 G		1UA 30	60	.200
	2SC498-YEL	NS 211	39	TOS		50	5.0	.800	.600 A		150J	80.000 G		1UA 30	180	.200
	2SC499-RED	NS 45 C		TOS		100R	2.0	.020	.300 A		125J	70.000 G		1UA 15	54	.003
	2SC499-YEL	NS 45 C		TOS		100R	2.0	.020	.300 A		125J	70.000 G		1UA 15	135	.003
	2SC500	NS 211	5	TOS	120		5.0	.020	.600 A		150J	70.000 G		1UA 30	90	.003
	2SC501-ORG	NS 211	39	TOS	60	30	5.0	.300	.750 A		175J	100.000 G		100NA 30	105	.010
	2SC501-RED	NS 211	39	TOS	60	30	5.0	.300	.750 A		175J	100.000 G		100NA 30	60	.010
	2SC501-YEL	NS 211	39	TOS	60	30	5.0	.300	.750 A		175J	100.000 G		100NA 30	180	.010
	2SC502	NS 605	3	TOS	60		2.0	1.000	.800 C		150J	120.000 G		10UA 30	30	.200
	2SC503	NS 211	5	TOS	60		5.0	.600	.800 A		175J	50.000 G		500NA 30	106	.150
	2SC504	NS 211	5	TOS	40		5.0	.600	.800 A		175J	50.000 G		500NA 30	106	.150
	2SC505-ORG	NS 211	39	TOS	300	300	3.0	.100	.600 A		175J	20.000 G		2UA 100	88	.050
	2SC505-RED	NS 211	39	TOS	300	300	3.0	.100	.600 A		175J	20.000 G		2UA 100	52	.050
	2SC506-ORG	NS 211	39	TOS	200	200	3.0	.100	.600 A		175J	20.000 G		2UA 100	88	.050
	2SC506-RED	NS 211	39	TOS	200	200	3.0	.100	.600 A		175J	20.000 G		2UA 100	52	.050
	2SC508	NS 605	66	TOS	180		5.0	4.000	20.000 C		150J	25.000 B		120UA 50	30	4.000
	2SC510-ORG	NS 211	39	TOS	140	100	5.0	1.500	.800 A		175J	20.000 G		1UA 30	98	.200
	2SC510-RED	NS 211	39	TOS	140	100	5.0	1.500	.800 A		175J	20.000 G		1UA 30	52	.200
	2SC511-ORG	NS 211	39	TOS	120	80	5.0	1.500	.800 A		175J	20.000 G		1UA 30	98	.200
	2SC511-RED	NS 211	39	TOS	120	80	5.0	1.500	.800 A		175J	20.000 G		1UA 30	52	.200
	2SC512-ORG	NS 211	39	TOS	100	60	5.0	1.500	.800 A		175J	20.000 G		1UA 30	98	.200
	2SC512-RED	NS 211	39	TOS	100	60	5.0	1.500	.800 A		175J	20.000 G		1UA 30	52	.200
	2SC513-ORG	NS 211	39	TOS	70	40	5.0	1.500	.800 A		175J	20.000 G		1UA 30	98	.200
	2SC513-RED	NS 211	39	TOS	70	40	5.0	1.500	.800 A		175J	20.000 G		1UA 30	52	.200
	2SC514			SEE 2SC515												
	2SC515	NS 605	66	TOS	300		3.0	.100	6.000 H		150J	10.000 G		100UA 300	68	.050
	2SC518	NS 605	3	TOS	140		5.0	5.000	50.000 C		150J	20.000 B		10MA 50	40	5.000
	2SC519			SEE 2SC519A												
	2SC519A	NS 605	3	TOS	130	110	5.0	7.000	50.000 C		150J	5.000 G		1MA 50	45	1.000
	2SC520A	NS 605	3	TOS	100		5.0	7.000	50.000 C		150J	20.000 B		1MA 50	80	1.000
	2SC521A	NS 605	3	TOS	70		5.0	7.000	50.000 C		150J	20.000 B		1MA 50	80	1.000
	2SC522-ORG	NS 631 B		TOS	140	100	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	98	.200
	2SC522-RED	NS 631 B		TOS	140	100	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	52	.200
	2SC523-ORG	NS 631 B		TOS	120	80	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	98	.200
	2SC523-RED	NS 631 B		TOS	120	80	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	52	.200
	2SC524-ORG	NS 631 B		TOS	100	60	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	98	.200
	2SC524-RED	NS 631 B		TOS	100	60	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	52	.200
	2SC525-ORG	NS 631 B		TOS	70	40	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	98	.200
	2SC525-RED	NS 631 B		TOS	70	40	5.0	1.500	10.000 C		175J	20.000 G		1UA 30	52	.200
	2SC526	NS 211	5	MAT	165		5.0	.055	2.300 C		175J	80.000 G		1UA 12	20	
	2SC527	NS 218	18	MAT	35		3.0	.025	.130 A		175J	200.000 G		10UA 35	50	
	2SC528	NS 50 A		HIT	20		5.0	.150	.200 A		125J	AUD		500NA 20	140	.150
	2SC535	NS 50 B		HIT	30		4.0	.020	.100 A		125J	700.000 G		500NA 10	85	.001
	2SC536	NS 43 B		SAN	40	20	5.0	.100	.150 A		125J	180.000 G		1UA 35	80	.001
	2SC537	NS 43 B		SAN	20	10	5.0	.100	.150 A		125J	180.000 G		1UA 15	80	.001
	2SC538	NS 211	18	MAT	25		5.0	.050	.300 A		175J	80.000 G		10NA 10		
	2SC538A	NS 211	18	MAT	45		5.0	.050	.300 A		175J	80.000 G		10NA 10		
	2SC539	NS 211	18	MAT	25		5.0	.050	.300 A		175J	80.000 G		10NA 10		
	2SC540	NS 911 C		NEC	30	25	5.0	.100	.150 A		150J	50.000 G		100NA 25	270	.001
	2SC544	NS 43 B		SAN	40		4.0	.030	.150 A		125J	350.000 G		1UA 35	80	.001
	2SC545	NS 43 B		SAN	20		4.0	.030	.150 A		125J	350.000 G		1UA 15	80	.001
	2SC546	NS 43 B		SAN	30		4.0	.030	.150 A		125J	700.000 G		1UA 25	50	.001
	2SC547			SEE RF POWER SECTION												
	2SC548			SEE RF POWER SECTION												
	2SC549			SEE RF POWER SECTION												
	2SC550			SEE RF POWER SECTION												
	2SC551			SEE RF POWER SECTION												
	2SC552			SEE RF POWER SECTION												
	2SC553			SEE RF POWER SECTION												
	2SC555			SEE RF POWER SECTION												
	2SC556	NS 211	39	TOS	20		2.0	.400	.750 A		150J	600.000 G		25UA 20	73	.050
	2SC558	NS 605	3	TOS	250		5.0	5.000	50.000 C		150J	.500 B		1MA 50	30	5.000
	2SC562	NS 218	18	MAT	40		4.0	.025	.130 A		175J	330.000 G		10UA 40	52	
	2SC563	NS 218	18	MAT	40		4.0	.025	.145 A		175J	550.000 G		10UA 40	76	
	2SC566	NS 217	33	NEC	50	40	4.0	.300	.800 A		175J	500.000 G		500NA 35	68	.100
	2SC567	NS 217	72	NEC	30	15	3.0	.020	.200 A		150J	1000.000 G		500NA 15	80	.002
	2SC568	NS 217	72	NEC	30	15	3.0	.020	.200 A		150J	700.000 G		100NA 15	100	.002
	2SC581	NS 217	72	MAT	30		5.0	.030	.140 A		175J	150.000 G		1UA 10		
	2SC582	NS 605 C		MAT	300		3.0	.100	4.000 H		175J	10.000 G		100UA 300	68	.050
	2SC583	NS 217	72	MAT	30		2.5	.020	.180 A		175J	1000.000 G		1UA 15		
	2SC585	NS 540	60	MAT	65		4.0	3.000	20.000 C		150J	250.000 G		12UA 12	30	.200
	2SC586	NS 605	3	MAT	150		6.0	5.000	50.000 C		175J	AUD		15MA 150	33	5.000
	2SC587	NS 211 A		MAT	45		5.0	.030	.300 A		175J	50.000 G		10UA 45	300	.002
	2SC587A	NS 211 A		MAT	45		5.0	.030	.300 A		175J	50.000 G		10UA	300	.003
	2SC589	NS 211	5	MAT	165		5.0	.080	.750 A		175J	90.000 G		2UA	40	.003
	2SC590	NS 210	5	NEC	120	70	5.0	.300	.800 C		175J	100.000 G		1UA 60	70	.150
	2SC591	NS 170	8	NEC	100	50	4.0	1.500	20.000 C		175J	75.000 G		1MA 30	20	.150
	2SC593	NS 217	72	MAT	50		5.0	.030	.165 A		175J	150.000 G		1UA	100	.010
	2SC594	NS 210	39	NEC	60	25	5.0	.200	.750 A		175J	200.000 G		100NA 30	60	.010
	2SC595	NS 210	18	NEC	30	20	5.0	.200	.300 A		150J	250.000 G		1UA 15	60	.010
	2SC596	NS 217	33	NEC	60	30	5.0	.500	.800 A		175J	250.000 G		500NA 20	50	.030
	2SC597	NS 211	5	MAT	65		4.0	1.000	6.000 C		175J	300.000 G			30	.100
	2SC598	NS 540	60	MAT, NEC	65		4.0	1.500	20.000 C		175J	300.000 G		12UA	30	.100
	2SC600	NS 540	60	MAT, NEC	65		4.0	3.000	20.000 C		175J	250.000 G		12UA	30	.200
	2SC601	NS 210	18	NEC	40	15	5.0	.100	.300 A		175J	500.000 G		100NA 20	60	.010
	2SC601N	NS 211 A		MAT, NEC	40		5.0	.100	.300 A		175J	500.000 G		100NA	80	.010
	2SC602	NS 217	72	NEC	30	20	3.0	.030	.200 A		150J	600.000 G		1UA 15	60	.005
	2SC605	NS 911 C		NEC	30	30	4.0	.020	.150 A		150J	350.000 G		200NA 20	60	.002
	2SC607	NS 911 C		NEC	30	30	4.0	.020	.150 A		150J	400.000 G		200NA 20	60	.002
	2SC608	NS 630 A		HIT	75		4.0	1.000	1.000 A		175J	50.000 G		5UA 40	40	.100
	2SC609	NS 630 A		HIT	75		4.0	1.000	1.000 A		175J	50.000 G		5UA 40	40	.100
	2SC611	NS 217	72	MAT, NEC	20		3.0	.020	.200 A		150J	600.000 G		1UA	80	.002
	2SC612	NS 217	72	MAT, NEC	35		2.0	.020	.180 A		175J	1000.000 G		1UA	80	.002
	2SC614	NS 211	39	SAN	80	60	4.0	1.500	7.500 C		85J	200.000 G		100UA 40	80	.250
	2SC615	NS 211	39	SAN	30	20	4.0	1.500	7.500 C		175J	200.000 G		100UA 10	100	.250
	2SC616	NS 170	8	SAN	80	60	4.0	1.500	13.000 C		175J	200.000 G		100UA 40	80	.250
	2SC617	NS 170	8	SAN	30	20	4.0	1.500	13.000 C		175J	200.000 G		100UA 10	100	.250
	2SC628	NS 210	5	NEC	40	20	4.0	.500	2.500 A		175J	400.000 G		400NA 20	40	.100
	2SC635	NS 540	60	NEC	65	40	4.0	1.500	10.000 C		175J	300.000 G		3UA 18	65	.500
	2SC636	NS 540	60	NEC	65	40	4.0	3.000	20.000 C		175J	250.000 G		10UA 18	65	.001
	2SC637	NS 540	60	NEC	40	20	4.0	1.000	10.000 C		175J	300.000 G		10UA 20	30	.500
	2SC638	NS 540	60	NEC	40	20	4.0	2.000	20.000 C		175J	250.000 G		20UA 20	30	1.000
	2SC639	NS 210	18	NEC	40	40S	5.0	.200	.360 A		200J	500.000 G		100NA 20	100	.100
	2SC640	NS 911 C		NEC	30	25R	5.0	.100	.150 A		150J			100NA 25	270	.001
	2SC641	NS 50 B		HIT	40	15	5.0	.100	.100 A		125J	200.000 G		250NA 20	90	.010
	2SC642A	NS 605	3	TOS		700R	5.0	1.000	50.000 C		150J	2.000 B		10UA 500	70	.150
	2SC643A	NS 605	3	TOS	500		5.0	2.500	50.000 C		150J	80.000 G		10UA 500	8	2.000
	2SC645	NS 80 A		MAT	30		5.0	.030	.140 A		150J	150.000 G		1UA 10	100	.001
	2SC649	NS 120	1	HIT	30		6.0	.030	.200 A		175J	220.000 G		100NA 20	110	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.	I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	2SC650	NS 120	1	HIT	30		6.0	.030	.200	A	175J		220.000	G	100NA 20	240 .001
	2SC651	NS 210	39	NEC	45	22	4.0	.300	.750	C	150J		800.000	G	100NA 20	80 .100
	2SC652	NS 210	39	NEC	40	20	3.0	.300	.750	A	150J		800.000	G	100NA 20	30 .100
	2SC653	NS 217	72	NEC	25	13	3.0	.020	.200	A	150J		1000.000	G	100NA 12	120 .002
	2SC654	NS 217	33	NEC	40	35	3.0	.300	.800	A	150J		5000.000	G	1UA 35	70 .050
	2SC664	NS 605	3	HIT	100		5.0	5.000	50.000	C	150J		AUD			86 5.000
	2SC665	NS 605	3	HIT	125		5.0	5.000	50.000	C	150J		AUD			86 5.000
	2SC666	NS 605	3	HIT	150		5.0	5.000	50.000	C	150J		AUD			86 5.000
	2SC667	NS 43 B		SAN	15		4.0	.030	.150	A	125J		600.000	G	1UA 10	60 .001
	2SC668	NS 43 B		SAN	15		4.0	.030	.150	A	125J		600.000	G	1UA 10	50 .001
	2SC674	NS 43 B		SAN	15		4.0	.030	.150	A	125J		700.000	G	1UA 10	50 .001
	2SC679	NS 605	66	HIT	300		6.0	2.000	30.000	C	175J		AUD			50 .020
	2SC680	NS 605	66	HIT	200		6.0	2.000	12.500	C	175J		AUD			180 .200
	2SC680A	NS 605	66	HIT	200		6.0	2.000	12.500	C	150J		AUD		5MA 5	180 .200
	2SC681	NS 605	3	HIT	300		5.0	6.000	50.000	C	150J		HOROSC		1MA 30	30 4.000
	2SC681A	NS 605	3	HIT	300		5.0	6.000	50.000	C	150J		AUD		1MA 30	30 4.000
	2SC682	NS 280 A		HIT	20		3.0	.030	.200	A	200J		550.000	G	100NA 10	60 .002
	2SC683	NS 280 A		HIT	20		3.0	.030	.200	A	200J		550.000	G	100NA 10	60 .002
	2SC684	NS 50 B		HIT	30	20	2.0	.050	.200	A	125J		600.000	G	500NA 10	40 .010
	2SC685	NS 605	66	HIT	300	300X	3.0	.100	4.000	C	150J		25.000	G		60 .050
	2SC685A	NS 605	66	HIT	300		4.0	.100	6.500	H	150J		AUD		100UA 4	68 .050
	2SC686	NS 210	39	NEC	150	150	6.0	.050	.800	A	175J		40.000	G	100NA 100	90 .025
	2SC687	NS 605	3	MAT	150		6.0	5.000	50.000	C	175J		HORAMP		15MA 150	33 5.000
	2SC689	NS 210 A		HIT	40	15	5.0	.100	.300	A	175J		600.000	G	250NA 20	60 .010
	2SC693	NS 43 B		SAN	40		4.0	.100	.100	A	125J		200.000	G	1UA 35	240 .001
	2SC694	NS 43 B		SAN	40		4.0	.100	.100	A	125J		200.000	G	1UA 35	200 .001
	2SC695	NS 911 C		NEC	20	15	5.0	.030	.100	A	125J				100NA 15	150 .001
	2SC696	NS 211	5	MAT	100		5.0	1.000	.750	A	175J		35.000	G	3UA 30	73 .100
	2SC696A	NS 211	5	MAT	130		5.0	1.000	.750	A	175J		35.000	G	3UA 30	73 .100
	2SC697	NS 630 A		MAT	100		5.0	1.000	10.000	C	175J		35.000	G	3UA 30	73 .100
	2SC697A	NS 630 A		MAT	130		5.0	1.000	10.000	C	175J		35.000	G	3UA 30	73 .100
	2SC705	NS 43 B		SAN	15	12	4.0	.030	.120	A	125J		800.000	G	1UA 10	.001
	2SC707	NS 280 A		HIT	20		3.0	.020	.150	A	175J		550.000	G	100NA 10	80 .002
	2SC708	NS 211	5	HIT	60	50	4.0	1.000	.750	A	150J		200.000	G		80 .050
	2SC708A	NS 211	5	HIT	90	80	4.0	1.000	.750	A	150J		200.000	G		80 .050
	2SC715	NS 43 B		SAN	40	20	5.0	.100	.120	A	125J		150.000	G	1UA 35	80 .001
	2SC716	NS 43 B		SAN	20	20	5.0	.100	.120	A	125J		150.000	G	1UA 15	80 .001
	2SC717	NS 50 A		HIT	30		2.0	.050	.200	A	125J		1100.000	G	500NA 10	30 .001
	2SC732-BLU	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	525 .002
	2SC732-GRN	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	300 .002
	2SC732-VIO	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	900 .002
	2SC733-BLU	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	525 .002
	2SC733-GRN	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	300 .002
	2SC733-ORG	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	105 .002
	2SC733-YEL	NS 45 C		TOS		30	5.0	.100	.300	A	125J		100.000	G	100NA 18	180 .002
	2SC734-GRN	NS 45 C		TOS		50	5.0	.150	.300	A	125J		100.000	G	100NA 18	300 .020
	2SC734-ORG	NS 45 C		TOS		50	5.0	.150	.300	A	125J		100.000	G	100NA 18	105 .020
	2SC734-RED	NS 45 C		TOS		50	5.0	.150	.300	A	125J		100.000	G	100NA 18	60 .020
	2SC734-YEL	NS 45 C		TOS		50	5.0	.150	.300	A	125J		100.000	G	100NA 18	180 .020
	2SC735-GRN	NS 45 C		TOS		30	5.0	.400	.300	A	125J		100.000	G	100NA 18	300 .100
	2SC735-ORG	NS 45 C		TOS		30	5.0	.400	.300	A	125J		100.000	G	100NA 18	105 .100
	2SC735-RED	NS 45 C		TOS		30	5.0	.400	.300	A	125J		100.000	G	100NA 18	60 .100
	2SC735-YEL	NS 45 C		TOS		30	5.0	.400	.300	A	125J		100.000	G	100NA 18	180 .100
	2SC752-ORG-G	NS 45 C		TOS	40	15	5.0	.200	.200	A	125J		200.000	G	250NA 20	105 .010
	2SC752-RED-G	NS 45 C		TOS	40	15	5.0	.200	.200	A	125J		200.000	G	250NA 20	60 .010
	2SC752-YEL-G	NS 45 C		TOS	40	15	5.0	.200	.200	A	125J		200.000	G	250NA 20	180 .010
	2SC761	NS 217	72	MAT	30		3.0	.020	.130	A	175J		675.000	G		45 .002
	2SC762	NS 217	72	MAT	30		3.0	.020	.130	A	175J		600.000	G		45 .002
	2SC764	NS 210	18	NEC	40	40S	5.0	.200	.360	A	200J		500.000	G	100NA 40	90 .010
	2SC772	NS 43 B		SAN	15		4.0	.030	.120	A	125J		300.000	G	1UA 10	50
	2SC780-ORG-G	NS 45 C		TOS	80	80R	5.0	.020	.100	A	125J		50.000	G	2UA 70	105 .002
	2SC780-RED-G	NS 45 C		TOS	80	80R	5.0	.020	.100	A	125J		50.000	G	2UA 70	60 .002
	2SC780-YEL-G	NS 45 C		TOS	80	80R	5.0	.020	.100	A	125J		50.000	G	2UA 70	180 .002
	2SC781	NS 210	39	NEC	75	40	5.0	1.000	5.000	C	175J		150.000	G	1UA 40	80 .150
	2SC782	NS 605	66	TOS		300	5.0	1.500	20.000	C	150J		100.000	G	100UA 200	92 .100
	2SC784-BRN	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	38 .001
	2SC784-ORG	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	135 .001
	2SC784-RED	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	60 .001
	2SC785-BRN	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	38 .001
	2SC785-ORG	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	105 .001
	2SC785-RED	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	60 .001
	2SC785-YEL	NS 45 C		TOS	30		4.0	.020	.100	A	125J		250.000	G	500NA 18	180 .001
	2SC791	NS 605	66	TOS		80R	5.0	1.500	15.000	C	150J		20.000	B	10UA 30	102 .200
	2SC793-BLU	NS 605	3	TOS		80	5.0	7.000	60.000	C	150J		9.000	G	1MA 30	135 1.000
	2SC793-RED	NS 605	3	TOS		80	5.0	7.000	60.000	C	150J		9.000	G	1MA 30	47 1.000
	2SC793-YEL	NS 605	3	TOS		80	5.0	7.000	60.000	C	150J		9.000	G	1MA 30	80 1.000
	2SC799	NS 631	37	NEC	80	40	5.0	1.500	10.000	C	175J		150.000	G	1UA 40	90 .150
	2SC800	NS 911 C		NEC	30	25	4.0	.010	.100	A	150J		600.000	G	100NA 25	80 .020
	2SC814	NS 42 A		NEC	30	18	5.0	.500	.400	A	125J				200NA 18	150 .050
	2SC815	NS 42	92	NEC	60	45R	5.0	.200	.250	A	125J				100NA 45	70 .150
	2SC823	NS 210	39	NEC	30	19R	3.0	.060	.600	A	150J		1000.000	G	100NA 10	45 .015
	2SC824	NS 210	39	NEC	50	25	3.0	.120	.650	A	150J		1000.000	G	100NA 10	30 .030
	2SC830	NS 605	66	HIT	50		4.0	3.000	25.000	C	150J		AUD			65 .100
	2SC831	NS 217	12	NEC	50	25	4.0	2.000	23.000	A	175J		300.000	G	5UA 20	65 1.000
	2SC838	NS 42	92	NEC	50	25	5.0	.030	.250	A	125J		150.000	G	200NA 15	75 .001
	2SC839	NS 42	92	NEC	50	25	5.0	.030	.250	A	125J		150.000	G	200NA 15	75 .001
	2SC852	NS 210	5	NEC	45	25	3.0	.080	.500	A	150J		850.000	G	500NA 15	100 .002
	2SC853	NS 42 A		NEC	60	55	5.0	.200	.400	A	125J				200NA 45	70 .150
	2SC856	NS 120	1	HIT	150		5.0	.050	.300	A	175J		150.000	G	100NA 20	105 .010
	2SC861	NS 605	3	HIT	400		5.0	1.000	50.000	C	150J		AUD		10UA 30	120 1.000
	2SC862	NS 605	3	HIT	500		5.0	6.000	50.000	C	150J		HORAMP		10UA 30	
	2SC881	NS 42 A		NEC	60	45	5.0	.200	.400	A	125J				200NA 30	70 .150
	2SC890	NS 210	39	NEC	40	20	3.0	1.000	3.000	C	175J		600.000	G	1UA 20	30 .100
	2SC891	NS 967 A		NEC	40	20	4.0	2.000	10.300	C	175J		600.000	G	5UA 20	23 .500
	2SC892	NS 967 A		NEC	40	20	4.0	4.000	17.700	C	175J		400.000	G	10UA 20	23 1.000
	2SC896	NS 210	46	NEC	55	30	3.0	.200	.300	A	175J		120.000	G	1UA 20	70 .010
	2SC899	NS 42	92	NEC	30	25	5.0	.020	.250	A	125J				50MA 25	115 .001
	2SC900	NS 42	92	NEC	30	25R	5.0	.020	.250	A	125J				50MA 25	250 .001
	2SC913	NS 210	18	NEC	40	35	5.0	.300	.300	A	175J				200NA 20	40 .050
	2SC914	NS 210	18	NEC	40	35	5.0	.300	.300	A	175J				200NA 20	40 .200
	2SC915	NS 210	18	NEC	30	20	5.0	.300	.300	A	175J				200NA 20	70 .030
	2SC916	NS 170	8	NEC	100	70	5.5	1.500	2.000	A	175J				10UA 80	45 1.500
	2SC920	NS 911 C		NEC	50	25	5.0	.030	.150	A	150J		150.000	G	100NA 15	75 .001
	2SC921	NS 911 C		NEC	25	12	2.0	.010	.100	A	150J		450.000	G	100NA 12	65 .001
	2SC923	NS 42	92	NEC	30	25R	5.0	.020	.250	A	125J				50MA 25	250 .001
	2SC924	NS 42	92	NEC	30	15	5.0	.050	.250	A	125J				100NA 15	100 .001
	2SC938	NS 42	92	NEC	60	60	5.0	.200	.250	A	125J				100NA 45	75 .050
	2SC939	NS 605	3	NEC	150	60R	7.0	5.000	50.000	A	150J				2MA 60	60 5.000
	2SC940	NS 605	3	NEC	200	90R	7.0	5.000	50.000	A	150J				2MA 60	60 5.000
	2SC943	NS 210	18	NEC	60	40	8.0	.200	.300	A	150J		150.000	G	500NA 40	150 .010
	2SC959	NS 210	5	NEC	120	80	5.0	.700	.700	A	150J		60.000	G	3UA 80	100 .200
	2SC960	NS 630 A		NEC	120	80	5.0	.700	1.000	A	150J		3220.000	G	3UA 80	100 .200
	2SC985			SEE 2N5762												
	2SC985A			SEE 2N5762												
	2SC987			SEE 2N5761												
	2SC987A			SEE 2N5761												
	2SC988			SEE 2N5650												
	2SC988A			SEE 2N5651												
	2SC988B			SEE 2N5652												
	2SC989	NS 916 C		NEC	20	12	3.0	.050	.150	A	150J		2000.000	G	1UA 10	45 .030
	2SC990	NS 964 F		NEC	50	25	4.0	2.000	24.000	A	175J		300.000	G	10UA 20	65 1.000
	2SC1071	NS 210	18	NEC	30	17	5.0	.200	.300	A	175J				900NA 20	83 .030
	2SC1072	NS 210	39	NEC	60	45	5.0	.700	.800	A	175J				300NA 40	50 .500
	2SC1072A	NS 210	39	NEC	60	56	5.0	.700	.800	A	175J				300NA 40	50 .500
	2SC1090			SEE RF POWER SECTION												
	2SD12	NS 605	3	MAT			4.0	2.500	60.000	C	150J		AUD		10MA 75	50 1.000
	2SD13	NS 405	67	MAT			4.0	10.000	100.000	C	150J		AUD		40MA 35	25 10.000
	2SD14	NS 405	67	MAT			4.0	10.000	100.000	C	150J		AUD		45MA 45	25 10.000
	2SD24	NS 622 A		SAN	300	300R	2.0	.100	4.000	C	110J		25.000	G	2MA 100	60 .050

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	2SD30	NG 120 K		SAN	25		12.0	.200	.300	A	85J		1.000	B	15UA 20	150 .100
	2SD31	NG 120	1	MAT	25		10.0	.125	.125	C	75J		AUD		12UA 10	50 .002
	2SD32	NG 120	1	MAT	25		10.0	.125	.125	C	75J		AUD		12UA 10	90 .002
	2SD35	NG 105 E		MAT	20		10.0	.060	.083	A	75J		AUD		10UA 10	72
	2SD36	NG 105 E		MAT	20		10.0	.060	.083	C	75J		AUD		10UA 10	72
	2SD43	NG 120	1	TOS	25		12.0	.050	.110	A	75J		1.000	B	14UA 12	68 .050
	2SD43A	NG 120	1	TOS	45		12.0	.150	.110	A	75J		1.000	B	14UA 12	68 .050
	2SD44			SEE 2SC733												
	2SD45	NS 605 G		SON	150	100	6.0	5.000	50.000	C	150J		AUD			40 1.000
	2SD46	NS 605 G		SON		1500	750.0	3.005	934.050	C	150J		AUD			40 1.000
	2SD47	NS 605 G		SON	100	50	6.0	5.000	50.000	C	150J		AUD			40 1.000
	2SD51	NS 605	3	NEC	100	50	6.0	5.000	50.000	A	175J				5MA 15	60 2.000
	2SD61	NG 210 H		SON	30	12	10.0	.100	.120	A	75J		.600	B	20UA 40	50 .020
	2SD62	NG 210 H		SON	30	12	10.0	.100	.120	A	75J		.600	B	20UA 40	50 .020
	2SD63	NG 210 H		SON	25	10		.100	.120	A	75J		.600	B	10UA 25	50 .020
	2SD64	NG 210 H		SON	25	20R		.100	.120	A	60J		.600	B	15UA 25	100 .020
	2SD65	NG 210 H		SON	25	10		.100	.120	A	75J		.600	B	15UA 25	50 .020
	2SD66	NG 210 H		SON	25	10		.100	.120	A	75J		.500	B	15UA 25	30 .020
	2SD67	NS 605	3	SAN	120	120R	5.0	5.000	50.000	C	150J		40.000	G	10MA 120	60 1.000
	2SD68	NS 605	3	SAN	120	120R	5.0	5.000	50.000	C	150J		40.000	G	10MA 60	60 1.000
	2SD70	NS 605	124	NEC	40	25	5.0	2.000	15.000	C	175J				100UA 25	80 1.000
	2SD71	NS 605	124	NEC	100	60	5.0	2.000	15.000	C	175J				100UA 40	80 .500
	2SD72	NG 120 J		SAN	25		6.0	.600	.720	C	85J		.750	B	50UA 20	120 .200
	2SD73	NS 605	3	NEC	100	60	5.0	5.000	60.000	C	175J				5MA 100	50 1.000
	2SD74	NS 605	3	NEC	150	90	5.0	5.000	60.000	C	175J				5MA 150	50 1.000
	2SD75	NG 120	1	HIT	25	25S	12.0	.100	.150	A	85J		4.000	B	14UA 25	40 .001
	2SD75A	NG 120	1	HIT	45		12.0	.100	.150	A	85J		4.000	B	25UA 45	40 .001
	2SD77	NG 120	1	HIT	25		12.0	.070	.100	A	85J		AUD		14UA 2	70
	2SD77A	NG 120	1	HIT	45		12.0	.100	.150	A	85J		AUD		25UA 45	86 .050
	2SD78	NS 210	5	NEC	100	60	12.0	2.000	1.000	C	175J				1UA 60	80 .500
	2SD79	NS 630 A		NEC	100	60	12.0	2.000	1.000	C	175J				1UA 60	80 .500
	2SD96	NG 120	1	HIT	25	18R	2.5	.250	.300	A	85J		4.000	B	14UA 12	90 .050
	2SD100			SEE 2SC482												
	2SD100-G			SEE 2SC367-G												
	2SD100A			SEE 2SC486												
	2SD100A-G			SEE 2SC367-G												
	2SD101			SEE 2SC485												
	2SD101-G			SEE 2SC503												
	2SD104			SEE 2SC367-G												
	2SD105-G			SEE 2SC367-G												
	2SD110-ORG	NS 605	3	TOS	130	110	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	88 1.000
	2SD110-RED	NS 605	3	TOS	130	110	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	52 1.000
	2SD110-YEL	NS 605	3	TOS	130	110	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	175 1.000
	2SD111-ORG	NS 605	3	TOS	100	80	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	88 1.000
	2SD111-RED	NS 605	3	TOS	100	80	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	52 1.000
	2SD111-YEL	NS 605	3	TOS	100	80	10.0	10.000	100.000	C	150J		2.000	G	5MA 50	175 1.000
	2SD113-ORG	NS 605	3	TOS	100	80	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	88 1.000
	2SD113-RED	NS 605	3	TOS	100	80	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	52 1.000
	2SD113-YEL	NS 605	3	TOS	100	80	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	175 1.000
	2SD114-ORG	NS 605	3	TOS	70	50	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	88 1.000
	2SD114-RED	NS 605	3	TOS	70	50	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	52 1.000
	2SD114-YEL	NS 605	3	TOS	70	50	10.0	10.000	200.000	C	150J		1.500	G	10MA 50	175 1.000
	2SD118-BLU	NS 605	3	TOS		110	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	130 1.000
	2SD118-RED	NS 605	3	TOS		110	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	45 1.000
	2SD118-YEL	NS 605	3	TOS		110	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	80 1.000
	2SD119-BLU	NS 605	3	TOS		80	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	130 1.000
	2SD119-RED	NS 605	3	TOS		80	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	45 1.000
	2SD119-YEL	NS 605	3	TOS		80	10.0	7.000	100.000	C	150J		2.000	G	50UA 50	80 1.000
	2SD120	NS 211	5	HIT	60	40	12.0	1.500	1.000	A	175J		.800	B	10UA 30	60 .200
	2SD121	NS 211	5	HIT	100	55	12.0	1.500	1.000	A	175J		.800	B	10UA 30	60 .200
	2SD122	NS 171	8	HIT	60	40	12.0	3.000	15.000	C	175J		.600	B	15UA 30	48 .750
	2SD123	NS 171	8	HIT	100	55	12.0	3.000	15.000	C	175J		.600	B	15UA 30	48 .750
-	2SD124	NS 605	3	HIT	60	40	10.0	6.000	60.000	C	175J		.500	B	25UA 25	30
	2SD124A	NS 605	3	HIT	75	50	10.0	7.000	60.000	C	175J		1.000	G	25UA 30	40 1.500
-	2SD125	NS 605	3	HIT	100	55	10.0	6.000	60.000	C	175J		.500	B	25UA 25	30
	2SD125A	NS 605	3	HIT	100		10.0	8.000	60.000	C	175J		AUD		25UA 30	50 .002
	2SD126	NS 605	3	HIT	150		5.0	8.000	60.000	C	175J		AUD		25UA 30	50 .002
	2SD127	NG 120	1	SON	23	20R		.500	.250	A	85J		2.000	B	15UA 15	70 .020
	2SD127A	NG 120	1	SON	23	20R		.500	.250	A	85J		2.000	B	15UA 15	82 .020
	2SD128	NG 120	1	SON	32	30R		.500	.250	A	85J		2.000	B	15UA 15	82 .020
	2SD128A	NG 120	1	SON	32	30R		.500	.250	A	85J		2.000	B	15UA 15	82 .020
	2SD129-BLU	NS 605	66	TOS		80	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	135 .500
	2SD129-RED	NS 605	66	TOS		80	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	47 .500
	2SD129-YEL	NS 605	66	TOS		80	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	80 .500
	2SD130-BLU	NS 605	66	TOS		50	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	135 .500
	2SD130-RED	NS 605	66	TOS		50	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	47 .500
	2SD130-YEL	NS 605	66	TOS		50	10.0	3.000	25.000	C	150J		1.000	G	1MA 50	80 .500
	2SD132	NS 607 A		NEC	100	60	6.0	10.000	120.000	C	175J				1MA 60	35 5.000
	2SD134	NG 35 B		SON	60	60R	3.0	.005	.030	A	65J				8UA 15	40 .003
	2SD141	NS 605	124	NEC	20	12R	5.0	3.000	15.000	C	175J				100UA 12	80 1.000
	2SD142	NS 605	124	NEC	40	20R	5.0	3.000	15.000	C	175J				100UA 20	80 1.000
	2SD143	NS 605	124	NEC	80	40R	5.0	2.000	15.000	C	175J				100UA 40	80 .500
	2SD144	NS 605	124	NEC	100	50R	5.0	2.000	15.000	C	175J				100UA 50	80 .500
	2SD150	NS 605	124	NEC	50	40R	5.0	2.000	15.000	C	150J				100UA 40	80 1.000
	2SD151	NS 605	3	NEC	100	65	6.0	20.000	150.000	C	175J				5MA 65	40 20.000
	2SD152	NS 605	124	NEC	150	70R	6.0	3.000	20.000	C	175J				100UA 70	80 .500
	2SD154	NS 605	124	NEC	80	60R	5.0	3.000	20.000	C	150J				1MA 60	80 2.000
	2SD155	NS 605	66	NEC	80	60R	5.0	3.000	20.000	C	150J				1MA 60	80 2.000
	2SD178	NG 120 G		MAT	20		6.0	.300	.225	C	75J		AUD		27UA 6	95 .300
	2SD178A	NG 120 G		MAT	40		6.0	.300	.225	C	75J		AUD		27UA 6	95 .300
	2SD178B	NG 120 G		MAT	60		6.0	.300	.225	C	75J		AUD		27UA 6	95 .300
	2SD180	NS 605	3	NEC	80	60R	7.0	7.500	50.000	C	150J				2MA 60	60 3.000
	2SD186	NG 120 J		SAN	25		12.0	.150	.200	A	85J		1.000	B	15UA 20	100
	2SD187	NG 120 J		SAN	25		12.0	.150	.200	A	85J		.100	B	15UA 20	100 .030
	2SD191	NG 210	5	TOS	30		12.0	.150	.150	A	75J		1.000	B	14UA 12	78 .001
	2SD192	NG 210	5	TOS	30		12.0	.150	.150	A	75J		1.000	B	14UA 12	72 .050
	2SD193	NG 211	5	TOS	35		12.0	.400	.250	A	75J		.200	B	35UA 12	98 .150
	2SD194	NG 211	5	TOS	32		12.0	.400	.250	A	75J		.200	B	40UA 12	78 .150
	2SD204	NS 210	5	NEC	60	30R	5.0	.700	.600	A	150J				2UA 50	80 .300
	2SD205	NS 210	5	NEC	60	30R	5.0	.700	1.000	A	150J				2UA 50	80 .300
	2SD217	NS 605	3	NEC	120	80R	7.0	7.000	60.000	A	150J				2MA 80	60 4.000
	2SD218	NS 605	3	NEC	150	100R	7.0	7.000	60.000	A	150J				2MA 80	60 4.000
	2SD227	NS 42	92	NEC	30	15R	5.0	.300	.250	A	125J				100UA 15	120 .300
	2SD228	NS 42 A		NEC	30	15R	5.0	.300	.400	A	125J				100UA 15	120 .300
	2SD234-ORG	NS 54 D		TOS		50	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	105 .500
	2SD234-RED	NS 54 D		TOS		50	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	60 .500
	2SD234-YEL	NS 54 D		TOS		50	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	180 .500
	2SD235-ORG	NS 54 D		TOS		35	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	105 .500
	2SD235-RED	NS 54 D		TOS		35	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	60 .500
	2SD235-YEL	NS 54 D		TOS		35	10.0	3.000	25.000	C	150J		1.000	G	200UA 20	180 .500
	2SD254	NS 605	124	NEC	70	50R	5.0	2.000	20.000	A	150J				1MA 60	80 2.000
	2SD255	NS 605	66	NEC	70	50R	5.0	2.000	20.000	A	150J				1MA 60	80 2.000
	2T15			SEE 2SB50												
	2T64			SEE 2SD64												
	2T65			SEE 2SD65												
	2T66			SEE 2SD66												
	2T69			SEE 2SD63												
	2T73			SEE 2SC73												
	2T75			SEE 2SC75												
	2T76			SEE 2SC76												
	2T77			SEE 2SC77												
	2T78			SEE 2SC78												
	2T83			SEE 2SB53												
	2T201			SEE 2SA121,2,3												
	2T203			SEE 2SA124												
	2T205A			SEE 2SA125												
	2T311			SEE 2SB48												
	2T312			SEE 2SB48												
	2T313			SEE 2SB49												

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.					
	2T314			SEE 2SB49													
	2T321			SEE 2SB51													
	2T322			SEE 2SB51													
	2T323			SEE 2SB52													
	2T324			SEE 2SB52													
	2T681			SEE 2SD61													
	2T682			SEE 2SD62													
	2T3011			SEE 2SB140													
	2T3021			SEE 2SB141													
	2T3030			SEE 2SB142													
	2T3031			SEE 2SB143													
	2T3032			SEE 2SB143,4													
	2T3033			SEE 2SB144													
	2T3041			SEE 2SB145													
	2T3042			SEE 2SB145,6													
	2T3043			SEE 2SB146													
	3TE110			SEE 2N4131													
	3TE120			SEE 2N4130													
-	3TE245	NS 543	60	ITT	70	70	4.0	1.000	23.000	C	200J		400.000	G	500UA	65	30	.500
-	3TE350	NS 632	37	ITT	70	40	4.0	.500	7.500	C	200J		350.000	G	100UA	70	30	.500
-	3TE440	NS 960 A		ITT	80	80	4.0	1.500	25.000	C	200J		350.000	G	100UA	70	26	.500
-	3TE450	NS 960 A		ITT	80	80	4.0	.500	7.500	C	200J		350.000	G	100UA	70	30	.500
	3TE604			SEE RF POWER SECTION														
	3TE609			SEE RF POWER SECTION														
	3TE610			SEE RF POWER SECTION														
	3TE611			SEE RF POWER SECTION														
	3TX601			SEE RF POWER SECTION														
	3TX602			SEE RF POWER SECTION														
	3TX632			SEE RF POWER SECTION														
	3TX820			SEE RF POWER SECTION														
	3TX821			SEE RF POWER SECTION														
-	4C28	NS 210	5	GEC	40	30	2.0	.025	.150	A	125J		12.000	B	2UA	30	12	
-	4C29	NS 210	5	GEC	40	30	2.0	.625	.150	A	125J		12.000	B	2UA	30	12	
-	4C30	NS 210	5	GEC	40	30	2.0	.025	.150	A	125J		12.000	B	2UA	30	44	
-	4C31	NS 210	5	GEC	40	30	2.0	.025	.150	A	125J		12.000	B	2UA	30	80	
-	4C43	NS 210	5	GEC	80		1.0	.060	.600	A	125J				2UA	50	20	
-	4D20	NS 210	5	GEC	40	24	1.5	.025	.125	A	150J				1UA	15	32	
-	4D21	NS 210	5	GEC	40	24	1.5	.025	.125	A	150J				1UA	15	88	
	4D22			SEE 2N2349														
-	4D24	NS 210	5	GEC	15	15	1.0	.025	.125	A	125J				1UA	12	32	
-	4D25	NS 210	5	GEC	15	15	1.0	.025	.125	A	125J				1UA	12	88	
-	4D26	NS 210	5	GEC	15	15	1.0	.025	.600	A	125J				1UA	12	180	
	7A30	NS 210	5	GEC	50	50	5.0		1.000	A	150J		8.000	B	10UA	30	24	
	7A31	NS 210	5	GEC	50	50	5.0		1.000	A	150J		8.000	B	10UA	30	60	
	7A32	NS 210	5	GEC	50	50	5.0		1.000	A	150J		8.000	B	10UA	30	130	
-	7B1	NS 635 B		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	24	
-	7B2	NS 635 B		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7C1	NS 670 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	24	
-	7C2	NS 670 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7C3	NS 670 A		GEC	120	100	10.0		15.000	C	175J		12.000	B	50UA	120	24	
-	7D1	NS 676 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	24	
-	7D2	NS 676 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7D3	NS 676 A		GEC	120	100	10.0		15.000	C	175J		12.000	B	50UA	120	24	
-	7E1	NS 680 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	24	
-	7E2	NS 680 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7E3	NS 680 A		GEC	120	100	10.0		15.000	C	175J		12.000	B	50UA	120	24	
-	7F1	NS 530 B		GEC	80	60	10.0		7.000	A	175J		12.000	B	50UA	80	24	
-	7F2	NS 530 B		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7F3	NS 530 B		GEC	120	100	10.0		15.000	C	175J		12.000	B	50UA	120	24	
-	7F4	NS 530 B		GEC	120	100	10.0		7.000	C	175A		20.000	B	50UA	120	60	
-	7G1	NS 530 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	24	
-	7G2	NS 530 A		GEC	80	60	10.0		15.000	C	175J		12.000	B	50UA	80	60	
-	7G3	NS 530 A		GEC	120	100	10.0		15.000	C	175J		12.000	B	50UA	120	24	
-	7G4	NS 530 A		GEC	120	100	10.0		15.000	C	175A		20.000	B	50UA	120	60	
-	10B551-2	NS 785 A		GEC	40	15	5.0		.100	A	125J		300.000	G	50NA	15	60	.010
-	10B551-3	NS 786 A		GEC	40	15	5.0		.100	A	125J		300.000	G	50NA	15	60	.010
-	10B553-2	NS 785 A		GEC	40	15	5.0		.100	A	125J		200.000	G	500NA	15	60	.010
-	10B553-3	NS 786 A		GEC	40	15	5.0		.100	A	125J		200.000	G	500NA	15	60	.010
-	10B555-2	NS 785 A		GEC	25	20R	3.0		.100	A	125J		200.000	G	500NA	15	40	.010
-	10B555-3	NS 786 A		GEC	25	20R	3.0		.100	A	125J		200.000	G	500NA	15	40	.010
-	10B556-2	NS 785 A		GEC	25	15	5.0		.100	A	125J		200.000	G	500NA	15	36	.010
-	10B556-3	NS 786 A		GEC	25	15	5.0		.100	A	125J		200.000	G	500NA	15	36	.010
-	10C573-2	NS 785 A		GEC	45	45			.100	A	125J		200.000	G	200NA	30	62	.001
-	10C573-3	NS 786 A		GEC	45	45			.100	A	125J		200.000	G	200NA	30	62	.001
-	10C574-2	NS 785 A		GEC	45	45			.100	A	125J		200.000	G	200NA	30	160	.001
-	10C574-3	NS 786 A		GEC	45	45			.100	A	125J		200.000	G	200NA	30	160	.001
-	11B551-2	NS 785 A		GEC	60	28	5.0		.100	A	125J		40.000	G	500NA	30	36	.010
-	11B551-3	NS 786 A		GEC	60	28	5.0		.100	A	125J		40.000	G	500NA	30	36	.010
-	11B552-2	NS 785 A		GEC	60	28	5.0		.100	A	125J		50.000	G	500NA	30	70	.010
-	11B552-3	NS 786 A		GEC	60	28	5.0		.100	A	125J		50.000	G	500NA	30	70	.010
-	11B554-2	NS 785 A		GEC	60	28	7.0		.100	A	125J		60.000	G	25NA	40	70	.010
-	11B554-3	NS 786 A		GEC	60	20	7.0		.100	A	125J		60.000	G	25NA	40	70	.010
-	11B555-2	NS 785 A		GEC	60	28	7.0		.100	A	125J		60.000	G	25NA	40	176	.010
-	11B555-3	NS 786 A		GEC	60	28	7.0		.100	A	125J		60.000	G	25NA	40	176	.010
-	11B556-2	NS 785 A		GEC	100	80	7.0		.100	A	125J		50.000	G	25NA	40	70	.010
-	11B556-3	NS 786 A		GEC	100	80	7.0		.100	A	125J		50.000	G	25NA	40	70	.010
-	11B560-2	NS 785 A		GEC	100	60	5.0		.100	A	125J		50.000	G	500NA	30	70	.010
-	11B560-3	NS 786 A		GEC	100	60	5.0		.100	A	125J		50.000	G	500NA	30	70	.010
-	11C1B1	NS 635 B		GEC	60	40	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	176	.150
-	11C1F1	NS 530 B		GEC	60	40	5.0	1.000	3.100	C	200J		50.000	G	10NA	30	176	.150
-	11C3B1	NS 635 B		GEC	80	50	8.0	1.000	5.000	C	200J		50.000	G	10NA	60	70	.150
-	11C3F1	NS 530 B		GEC	80	50	7.0	1.000	3.100	C	200J		50.000	G	10NA	60	70	.150
-	11C5B1	NS 635 B		GEC	60	40	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	36	.150
-	11C5F1	NS 530 B		GEC	60	40	5.0	1.000	3.100	C	200J		50.000	G	10NA	30	36	.150
-	11C7B1	NS 635 B		GEC	45	25	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	40	.150
-	11C7F1	NS 530 B		GEC	45	25	5.0	1.000	3.100	C	200J		50.000	G	10NA	30	40	.150
-	11C10B1	NS 635 B		GEC	120	80	7.0	1.000	5.000	C	200J		50.000	G	10NA	60	70	.150
-	11C10F1	NS 530 B		GEC	120	80	7.0	1.000	3.100	C	200J		50.000	G	10NA	60	70	.150
-	11C11B1	NS 211	46	GEC	60	40	5.0	1.000	5.000	A	200A		50.000	G	10NA	30	80	
-	11C11B20	NS 211	46	GEC	60	40	5.0	1.000	5.000	A	200A		50.000	G	10NA	30	80	
-	11C11F1	NS 530 B		GEC	60	40	5.0	1.000	3.100	C	200J		50.000	G	10NA	30	70	.150
-	11C201B20	NS 612 A		GEC	60	40	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	176	.150
-	11C203B20	NS 612 A		GEC	80	50	8.0	1.000	5.000	C	200J		50.000	G	10NA	60	70	.150
-	11C205B20	NS 612 A		GEC	60	40	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	36	.150
-	11C207B20	NS 612 A		GEC	45	25	5.0	1.000	5.000	C	200J		50.000	G	10NA	30	40	.150
-	11C210B20	NS 612 A		GEC	120	80	7.0	1.000	5.000	C	200J		50.000	G	10NA	60	70	.150
-	11C551-2	NS 785 A		GEC	60	40	5.0		.100	A	125J		50.000	G	25NA	30	176	.010
-	11C551-3	NS 786 A		GEC	60	40	5.0		.100	A	125J		50.000	G	25NA	30	176	.010
-	11C553-2	NS 785 A		GEC	60	40	7.0		.100	A	125J		50.000	G	25NA	30	70	.010
-	11C553-3	NS 786 A		GEC	60	40	7.0		.100	A	125J		50.000	G	25NA	30	70	.010
-	11C557-2	NS 785 A		GEC	45	25	5.0		.100	A	125J		50.000	G	50NA	30	68	.010
-	11C557-3	NS 786 A		GEC	45	25	5.0		.100	A	125J		50.000	G	50NA	30	68	.010
-	11C702	NS 909	50	GEC	60	40	5.0	1.000	.300	A	175J		50.000	G	10NA	30	180	.150
-	11C704	NS 909	50	GEC	80	50	8.0	1.000	.300	A	175J		50.000	G	10NA	60	70	.150
-	11C710	NS 909	50	GEC	120	80	7.0	1.000	.300	A	175J		50.000	G	10NA	60	70	.150
-	11C1536	NS 211	5	GEC	50	30	6.0	1.000	.800	A	200J		50.000	G	50NA	30	80	.150
	16A1			SEE 2N2711														
	16A2			SEE 2N2712														
-	16A667-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	342	.002
-	16A667-ORG	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	136	.002
-	16A667-RED	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	82	.002
-	16A667-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	226	.002
-	16A668-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	342	.002
-	16A668-ORG	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	136	.002
-	16A668-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	226	.002
-	16A669-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	342	.002
-	16A669-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	226	.002
	16B1			SEE 2N2713														
	16B2			SEE 2N2714														

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
-	16B670-GRN	NS 45	98	GEC	18	18	5.0	.200	.200	A	100J		500NA	18	360	
-	16B670-RED	NS 45	98	GEC	18	18	5.0	.200	.200	A	100J		500NA	18	60	
-	16B670-YEL	NS 45	98	GEC	18	18	5.0	.200	.200	A	100J		500NA	18	150	
	16G2			SEE 2N3663												
	16J1			SEE 2N3605												
	16J2			SEE 2N3606												
	16J3			SEE 2N3607												
-	16K1	NS 45	98	GEC	30	30	4.0	.025	.200	A	100J	315.000 G	500NA	20	60	.005
-	16K2	NS 45	98	GEC	30	30	4.0	.025	.200	A	100J	315.000 G	500NA	20	60	.005
-	16K3	NS 45	98	GEC	30	30	4.0	.025	.200	A	100J	315.000 G	500NA	20	60	.005
-	16L2	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	80.000 G	500NA	18	30	
-	16L3	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	86.000 G	500NA	18	54	
-	16L4	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	112.000 G	500NA	18	90	
-	16L5	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	412.400 G	500NA	18	10	
-	16L22	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	80.000 G	500NA	18	30	
-	16L23	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	86.000 G	500NA	18	54	
-	16L24	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	112.000 G	500NA	18	90	
-	16L25	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	124.000 G	500NA	18	104	
-	16L42	NS 45	98	GEC	18	18	4.0	.100	.200	A	100J	80.000 G	500NA	18	30	
	16L43			SEE 2N3854												
	16L44			SEE 2N3855												
	16L45			SEE 2N3856												
-	16L62	NS 45	98	GEC	30	30	4.0	.100	.200	A	100J	80.000 G	500NA	18	30	
	16L63			SEE 2N3854A												
	16L64			SEE 2N3855A												
	16L65			SEE 2N3856A												
	16X1			SEE 2N3877A												
	16X2			SEE 2N3877												
	71T2	NS 635 B		SES	80		5.0		15.000	C	175J	30.000 G	50UA	60	52	1.000
	72T2	NS 635 B		SES	80		5.0		15.000	C	175J	30.000 G	50UA	60	125	1.000
	73T2	NS 635 B		SES	80		5.0		15.000	C	175J	15.000 G	75UA	80	52	.200
	74T2	NS 635 B		SES	80		5.0		15.000	C	175J	15.000 G	75UA	80	125	.200
	80T2	NS 171	8	SES	50		4.0		2.000	A	175J	150.000 G	100NA	30	14	.046
	81T2	NS 211	5	SES	50		4.0		1.000	A	175J	150.000 G	100NA	30	14	.040
	82T2	NS 540	60	SES		50R	4.0	1.000	9.000	C	175J	250.000 G	1UA	30	15	.500
	83T2	NS 540	60	SES		60R	4.0	2.000	10.000	C	175J	250.000 G	3UA	30	15	1.000
	90T2	NS 43	98	SES	100		4.0	.050	.200	A	100J		500NA	70	30	.030
	91T6	NS 45	98	SES	18		5.0	.100	.200	A	125J	5.000 G	100NA	18	375	.001
	92T6	NS 45	98	SES	18		5.0	.100	.200	A	125J	5.000 G	100NA	18	225	.001
	93T6	NS 45	98	SES	18		5.0	.100	.200	A	125J	5.000 G	100NA	18	150	.001
	98T2	NS 43	98	SES	18	18	5.0	.200	.200	A	100J	200.000 G	500NA	18	350	.100
	100T2	NS 605	3	SES	120	80S			85.000	C		30.000 G	10MA	120	50	2.000
	108T2	NS 605	3	SES	120	80	10.0	30.000	175.000	C	200J	10.000 G	500UA	120	35	10.000
	109T2	NS 605	3	SES	160	125	10.0	30.000	175.000	C	200J	10.000 G	500UA	120	35	10.000
	111T2	NS 210	5	SES		90S	4.0		.800	A	175J		1UA	30	60	.150
	121-6			SEE 2N216												
	121-7			SEE 2N35												
	121-9			SEE 2N112												
	121-10			SEE 2N111												
	121-11			SEE CK725												
	121-12			SEE CK725												
	121-14			SEE 2N112												
	121-21			SEE 2N193												
	121-22			SEE 2N194												
	121-24			SEE 2N168A												
	121-25			SEE 2N168A												
	121-26			SEE 2N168												
	121-27			SEE 2N190												
	121-33			SEE 2N169A												
	121-34			SEE 2N186A												
	121-44			SEE 2N370												
	121-45			SEE 2N139												
	121-46			SEE 2N109												
	121-47			SEE 2N270												
	121-48			SEE 2N371												
	121-49			SEE 2N372												
	121-50			SEE 2N253												
	121-51			SEE 2N254												
	121-54			SEE 2N252												
	121-60			SEE 2N213												
	121-61			SEE 2N407												
	121-62			SEE 2N411												
	121-63			SEE 2N247												
	121-64			SEE 2N407												
	121-65			SEE 2N409												
	121-66			SEE 2N409												
	121-67			SEE 2N308												
	121-70			SEE 2N515												
	121-71			SEE 2N516												
	121-73			SEE 2N409												
	121-74			SEE 2N409												
	121-75			SEE 2N139												
	121-76			SEE 2N139												
	121-78			SEE 2N544												
	121-91			SEE 2N483												
	121-92			SEE 2N485												
	121-93			SEE 2N483												
	121-94			SEE 2N482												
	121-95			SEE 2N362												
	121-96			SEE 2N632												
	121-101			SEE 2N544												
	121-102			SEE 2N409												
	121-103			SEE 2N411												
	121-104			SEE 2N409												
	121-105			SEE 2N409												
	121-107			SEE 2N407												
	121-113			SEE 2N309												
	121-128			SEE 2N1108												
	121-134			SEE 2N1177												
	121-135			SEE 2N1178												
	121-136			SEE 2N1179												
	121-138			SEE 2N1180												
	121-139			SEE 2N1180												
	121-145			SEE 2N1108												
	121-146			SEE 2N1110												
	121-147			SEE 2N1111												
	121-148			SEE 2N407												
	121-150			SEE 2N1631												
	121-153			SEE 2N1108												
	121-154			SEE 2N1110												
	121-161			SEE 2N410												
	121-162			SEE 2N410												
	121-164			SEE 2N408												
	121-179			SEE 2N1527												
	121-180			SEE 2N1525												
	121-181			SEE 2N1525												
	121-184			SEE 2N1374												
	121-185			SEE 2N1525												
	121-205			SEE 2N1374												
	121-225			SEE 2N407												
	121-228			SEE 2N1742												
	121-229			SEE 2N1745												
	121-230			SEE 2N1745												
	121-231			SEE 2N1865												
	121-232			SEE 2N1865												
	121-233			SEE 2N1747												
	121-240			SEE 2N2614												
	121-241			SEE 2N218												
	121-242			SEE 2N993												

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	121-243			SEE 2N993													
	121-244			SEE 2N993													
	121-256			SEE 2N1632													
	121-257			SEE 2N1526													
	121-258			SEE 2N1524													
	121-259			SEE 2N1524													
	121-260			SEE 2N1524													
	121-266			SEE 2N406													
	121-267			SEE 2N408													
	121-268			SEE 2N1742													
	121-269			SEE 2N1745													
	121-294			SEE 2N2654													
	121-295			SEE 2N2654													
	121-296			SEE 2N2654													
	121-297			SEE 2N2671													
	121-298			SEE 2N2671													
	121-299			SEE 2N2671													
	121-300			SEE 2N2429													
	121-301			SEE 2N2428													
	121-302			SEE 2N1302													
	121-309			SEE 2N2429													
	121-310			SEE 2N2428													
	121-311			SEE 2N2706													
	151-04	NS 412	82	WHE	65	40	25.0	6.000	100.000	C	150J	.500	G	10MA 40		16	1.500
	151-06	NS 412	82	WHE	85	60	25.0	6.000	100.000	C	150J	.500	G	10MA 60		16	1.500
	151-08	NS 412	82	WHE	105	80	25.0	6.000	100.000	C	150J	.500	G	10MA 80		16	1.500
	151-10	NS 412	82	WHE	125	100	25.0	6.000	100.000	C	150J	.500	G	10MA 100		16	1.500
	151-12	NS 412	82	WHE	145	120	25.0	6.000	100.000	C	150J	.500	G	10MA 120		16	1.500
	151-14	NS 412	82	WHE	165	140	25.0	6.000	100.000	C	150J	.500	G	10MA 140		16	1.500
	151-16	NS 412	82	WHE	185	160	25.0	6.000	100.000	H	150J	.500	G	10MA 160		16	1.500
	151-18	NS 412	82	WHE	205	180	25.0	6.000	100.000	H	150J	.500	G	10MA 180		16	1.500
	151-20	NS 412	82	WHE	225	200	25.0	6.000	100.000	H	150J	.500	G	10MA 200		16	1.500
	151-22	NS 412	82	WHE	245	220	25.0	6.000	100.000	H	150J	.500	G	10MA 220		16	1.500
	151-24	NS 412	82	WHE	265	240	25.0	6.000	100.000	H	150J	.500	G	10MA 240		16	1.500
	151-26	NS 412	82	WHE	285	260	25.0	6.000	100.000	H	150J	.500	G	10MA 260		16	1.500
	151-28	NS 412	82	WHE	305	280	25.0	6.000	100.000	H	150J	.500	G	10MA 280		16	1.500
	151-30	NS 412	82	WHE	325	300	25.0	6.000	100.000	H	150J	.500	G	10MA 300		16	1.500
	152-04	NS 412	82	WHE	65	40	25.0	6.000	100.000	C	150J	.500	G	10MA 40		27	1.500
	152-06	NS 412	82	WHE	85	60	25.0	6.000	100.000	C	150J	.500	G	10MA 60		27	1.500
	152-08	NS 412	82	WHE	105	80	25.0	6.000	100.000	C	150J	.500	G	10MA 80		27	1.500
	152-10	NS 412	82	WHE	125	100	25.0	6.000	100.000	C	150J	.500	G	10MA 100		27	1.500
	152-12	NS 412	82	WHE	145	120	25.0	6.000	100.000	H	150J	.500	G	10MA 120		27	1.500
	152-14	NS 412	82	WHE	165	140	25.0	6.000	100.000	H	150J	.500	G	10MA 140		27	1.500
	152-16	NS 412	82	WHE	185	160	25.0	6.000	100.000	H	150J	.500	G	10MA 160		27	1.500
	152-18	NS 412	82	WHE	205	180	25.0	6.000	100.000	H	150J	.500	G	10MA 180		27	1.500
	152-20	NS 412	82	WHE	225	200	25.0	6.000	100.000	H	150J	.500	G	10MA 200		27	1.500
	152-22	NS 412	82	WHE	245	220	25.0	6.000	100.000	H	150J	.500	G	10MA 220		27	1.500
	152-24	NS 412	82	WHE	265	240	25.0	6.000	100.000	H	150J	.500	G	10MA 240		27	1.500
	152-26	NS 412	82	WHE	285	260	25.0	6.000	100.000	H	150J	.500	G	10MA 260		27	1.500
	152-28	NS 412	82	WHE	305	280	25.0	6.000	100.000	H	150J	.500	G	10MA 280		27	1.500
	152-30	NS 412	82	WHE	325	300	25.0	6.000	100.000	H	150J	.500	G	10MA 300		27	1.500
	153-04	NS 560 A		WHE	65	40	15.0	7.500	200.000	C	175J	.500	G	10MA 40		23	1.500
	153-06	NS 560 A		WHE	85	60	15.0	7.500	200.000	C	175J	.500	G	10MA 60		23	1.500
	153-08	NS 560 A		WHE	105	80	15.0	7.500	200.000	C	175J	.500	G	10MA 80		23	1.500
	153-10	NS 560 A		WHE	125	100	15.0	7.500	200.000	C	175J	.500	G	10MA 100		23	1.500
	153-12	NS 560 A		WHE	145	120	15.0	7.500	200.000	C	175J	.500	G	10MA 120		23	1.500
	153-14	NS 560 A		WHE	165	140	15.0	7.500	200.000	C	175J	.500	G	10MA 140		23	1.500
	153-16	NS 560 A		WHE	185	160	15.0	7.500	200.000	C	175J	.500	G	10MA 160		23	1.500
	153-18	NS 560 A		WHE	205	180	15.0	7.500	200.000	C	175J	.500	G	10MA 180		23	1.500
	153-20	NS 560 A		WHE	225	200	15.0	7.500	200.000	C	175J	.500	G	10MA 200		23	1.500
	153-22	NS 560 A		WHE	245	220	15.0	7.500	200.000	C	175J	.500	G	10MA 220		23	1.500
	153-24	NS 560 A		WHE	265	240	15.0	7.500	200.000	C	175J	.500	G	10MA 240		23	1.500
	153-26	NS 560 A		WHE	285	260	15.0	7.500	200.000	C	175J	.500	G	10MA 260		23	1.500
	153-28	NS 560 A		WHE	305	280	15.0	7.500	200.000	C	175J	.500	G	10MA 280		23	1.500
	153-30	NS 560 A		WHE	325	300	25.0	7.500	200.000	C	175J	.500	G	10MA 300		23	1.500
	154-04	NS 560 A		WHE	65	40	15.0	7.500	200.000	C	175J	.500	G	10MA 40		38	1.500
	154-06	NS 560 A		WHE	85	60	15.0	7.500	200.000	C	175J	.500	G	10MA 60		38	1.500
	154-08	NS 560 A		WHE	105	80	15.0	7.500	200.000	C	175J	.500	G	10MA 80		38	1.500
	154-10	NS 560 A		WHE	125	100	15.0	7.500	200.000	C	175J	.500	G	10MA 100		38	1.500
	154-12	NS 560 A		WHE	145	120	15.0	7.500	200.000	C	175J	.500	G	10MA 120		38	1.500
	154-14	NS 560 A		WHE	165	140	15.0	7.500	200.000	C	175J	.500	G	10MA 140		38	1.500
	154-16	NS 560 A		WHE	185	160	15.0	7.500	200.000	C	175J	.500	G	10MA 160		38	1.500
	154-18	NS 560 A		WHE	205	180	15.0	7.500	200.000	C	175J	.500	G	10MA 180		38	1.500
	154-20	NS 560 A		WHE	225	200	15.0	7.500	200.000	C	175J	.500	G	10MA 200		38	1.500
	154-22	NS 560 A		WHE		220	15.0	7.500	200.000	C	175J	.500	G	10MA 220		38	1.500
	154-24	NS 560 A		WHE		240	15.0	7.500	200.000	C	175J	.500	G	10MA 240		38	1.500
	154-26	NS 560 A		WHE		260	15.0	7.500	200.000	C	175J	.500	G	10MA 260		38	1.500
	154-28	NS 560 A		WHE		280	15.0	7.500	200.000	C	175J	.500	G	10MA 280		38	1.500
	154-30	NS 560 A		WHE	325	300	25.0	7.500	200.000	C	175J	.500	G	10MA 300		37	1.500
	-156-043	NS 605	3	WHE		40	7.0	15.000	115.000	C	200J	1.000	G			27	3.000
	-156-044	NS 605	3	WHE		40	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	-156-083	NS 605	3	WHE		80	7.0	15.000	115.000	C	200J	1.000	G			27	3.000
	-156-084	NS 605	3	WHE		80	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	-156-104	NS 605	3	WHE		100	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	-156-123	NS 605	3	WHE		120	7.0	15.000	115.000	C	200J	1.000	G			27	3.000
	-156-124	NS 605	3	WHE		120	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	-156-144	NS 605	3	WHE		140	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	-156-164	NS 605	3	WHE		160	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	163-04	NS 561 F		WHE	55	40	15.0	20.000	200.000	C	175J	.500	G	10MA 40		23	5.000
	163-06	NS 561 F		WHE	75	60	15.0	20.000	200.000	C	175J	.500	G	10MA 60		23	5.000
	163-08	NS 561 F		WHE	95	80	15.0	20.000	200.000	C	175J	.500	G	10MA 80		23	5.000
	163-10	NS 561 F		WHE	115	100	15.0	20.000	200.000	C	175J	.500	G	10MA 100		23	5.000
	163-12	NS 561 F		WHE	135	120	15.0	20.000	200.000	C	175J	.500	G	10MA 120		23	5.000
	163-14	NS 561 F		WHE	155	140	15.0	20.000	200.000	C	175J	.500	G	10MA 140		23	5.000
	163-16	NS 561 F		WHE	175	160	15.0	20.000	200.000	C	175J	.500	G	10MA 160		23	5.000
	163-18	NS 561 F		WHE	195	180	15.0	20.000	200.000	C	175J	.500	G	10MA 180		23	5.000
	163-20	NS 561 F		WHE	215	200	15.0	20.000	200.000	C	175J	.500	G	10MA 200		23	5.000
	163-22	NS 561 F		WHE	235	220	15.0	20.000	200.000	H	175J	.500	G	30MA 220		23	5.000
	163-24	NS 561 F		WHE	255	240	15.0	20.000	200.000	H	175J	.500	G	30MA 240		23	5.000
	163-26	NS 561 F		WHE	275	260	15.0	20.000	200.000	H	175J	.500	G	30MA 260		23	5.000
	163-28	NS 561 F		WHE	295	280	15.0	20.000	200.000	H	175J	.500	G	30MA 280		23	5.000
	163-30	NS 561 F		WHE	315	300	15.0	20.000	200.000	H	175J	.500	G	30MA 300		23	5.000
	164-04	NS 561 F		WHE	55	40	15.0	20.000	200.000	C	175J	.500	G	30MA 40		38	5.000
	164-06	NS 561 F		WHE	75	60	15.0	20.000	200.000	C	175J	.500	G	30MA 60		38	5.000
	164-08	NS 561 F		WHE	95	80	15.0	20.000	200.000	C	175J	.500	G	30MA 80		38	5.000
	164-10	NS 561 F		WHE	115	100	15.0	20.000	200.000	C	175J	.500	G	30MA 100		38	5.000
	164-12	NS 561 F		WHE	135	120	15.0	20.000	200.000	C	175J	.500	G	30MA 120		38	5.000
	164-14	NS 561 F		WHE	155	140	15.0	20.000	200.000	C	175J	.500	G	30MA 140		38	5.000
	164-16	NS 561 F		WHE	175	160	15.0	20.000	200.000	C	175J	.500	G	30MA 160		38	5.000
	164-18	NS 561 F		WHE	195	180	15.0	20.000	200.000	C	175J	.500	G	30MA 180		38	5.000
	164-20	NS 561 F		WHE	215	200	15.0	20.000	200.000	C	175J	.500	G	30MA 200		38	5.000
	164-22	NS 561 F		WHE	235	220	15.0	20.000	200.000	H	175J	.500	G	30MA 220		37	5.000
	164-24	NS 561 F		WHE	255	240	15.0	20.000	200.000	H	175J	.500	G	30MA 240		37	5.000
	164-26	NS 561 F		WHE	275	260	15.0	20.000	200.000	H	175J	.500	G	30MA 260		37	5.000
	164-28	NS 561 F		WHE	295	280	15.0	20.000	200.000	H	175J	.500	G	30MA 280		37	5.000
	164-30	NS 561 F		WHE	315	300	15.0	20.000	200.000	H	175J	.500	G	30MA 300		37	5.000
	-176-04	NS 561	63	WHE	47	40	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-06	NS 561	63	WHE	67	60	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-08	NS 561	63	WHE	87	80	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-10	NS 561	63	WHE	107	100	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-12	NS 561	63	WHE	127	120	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-14	NS 561	63	WHE	147	140	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	-176-16	NS 561	63	WHE	167	160	7.5	20.000	200.000	H	200J	.030	G			30	20.000
	180T2	NS 605	3	SES	60	60	10.0	6.000	85.000	C	200J	10.000	G	10MA 60		60	2.000
	181T2	NS 605	3	SES	100	90	10.0	6.000	85.000	C	200J	10.000	G	1MA 100		60	2.000
	182T2	NS 605	3	SES	200	140	10.0	6.000	85.000	C	200J	10.000	G	1MA 180		60	2.000
	183T2	NS 605	3	SES	300	180	10.0	6.000	85.000	C	200J	10.000	G	1MA 250		60	2.000
	184T2	NS 605	3	SES	400	200	10.0	6.000	85.000	C	200J	10.000	G	1MA 300		60	2.000
	185T2	NS 605	3	SES	500	250	10.0	6.000	85.000	C	200J	10.000	G	1MA 400		60	2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.						
	903			SEE 2N1149													
	904			SEE 2N1150													
	904A			SEE 2N1151													
	905			SEE 2N1152													
	910			SEE 2N1153													
	951			SEE 2N1154													
	952			SEE 2N1155													
	953			SEE 2N1156													
-	1401-14	NS 508	93	WHE	150	140	10.0	250.000	625.000	H	200J	1.000	G			15	99.000
	1401-0405	NS 508	96	WHE	50	40	7.0	250.000	625.000	H	200J	.500	G			15	50.000
	1401-0407	NS 508	96	WHE	50	40	7.0	250.000	625.000	H	200J	.500	G			15	70.000
	1401-0410	NS 508	96	WHE	50	40	7.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0415	NS 508	93	WHE		40	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-0420	NS 508	93	WHE	50	40	10.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0425	NS 508	93	WHE		40	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-0605	NS 508	96	WHE	70	60	7.0	250.000	625.000	H	200J	.500	G			15	50.000
	1401-0607	NS 508	96	WHE	70	60	7.0	250.000	625.000	H	200J	.500	G			15	70.000
	1401-0610	NS 508	96	WHE	70	60	7.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0615	NS 508	93	WHE		60	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-0620	NS 508	93	WHE	70	60	10.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0625	NS 508	93	WHE		60	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-0805	NS 508	96	WHE	90	80	7.0	250.000	625.000	H	200J	.500	G			15	50.000
	1401-0807	NS 508	96	WHE	90	80	7.0	250.000	625.000	H	200J	.500	G			15	70.000
	1401-0810	NS 508	96	WHE	90	80	7.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0815	NS 508	93	WHE		80	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-0820	NS 508	93	WHE	90	80	10.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-0825	NS 508	93	WHE		80	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-1005	NS 508	96	WHE	110	100	7.0	250.000	625.000	H	200J	.500	G			15	50.000
	1401-1007	NS 508	96	WHE	110	100	7.0	250.000	625.000	H	200J	.500	G			15	70.000
	1401-1010	NS 508	96	WHE	110	100	7.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-1015	NS 508	93	WHE		100	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-1020	NS 508	93	WHE	110	100	10.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-1025	NS 508	93	WHE		100	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-1205	NS 508	96	WHE	130	120	7.0	250.000	625.000	H	200J	.500	G			15	50.000
	1401-1207	NS 508	96	WHE	130	120	7.0	250.000	625.000	H	200J	.500	G			15	70.000
	1401-1210	NS 508	96	WHE	130	120	7.0	250.000	625.000	H	200J	.500	G			15	99.000
	1401-1215	NS 508	93	WHE		120	10.0	250.000	625.000	H		.500	G			15	99.000
	1401-1220	NS 508	93	WHE	130	120	10.0	250.000	625.000	H	200J	.500	G			15	99.000
-	1441-0405	NS 563	114	WHE		40	10.0	150.000	350.000	H		.500	G			15	50.000
-	1441-0407	NS 563	114	WHE		40	10.0	150.000	350.000	H		.500	G			15	75.000
-	1441-0410	NS 563	114	WHE		40	10.0	150.000	350.000	H		.500	G			15	99.000
-	1441-0605	NS 563	114	WHE		60	10.0	150.000	350.000	H		.500	G			15	50.000
-	1441-0607	NS 563	114	WHE		60	10.0	150.000	350.000	H		.500	G			15	75.000
-	1441-0610	NS 563	114	WHE		60	10.0	150.000	350.000	H		.500	G			15	99.000
-	1441-0805	NS 563	114	WHE		80	10.0	150.000	350.000	H		.500	G			15	50.000
-	1441-0807	NS 563	114	WHE		80	10.0	150.000	350.000	H		.500	G			15	75.000
-	1441-0810	NS 563	114	WHE		80	10.0	150.000	350.000	H		.500	G			15	99.000
-	1441-1005	NS 563	114	WHE		100	10.0	150.000	350.000	H		.500	G			15	50.000
-	1441-1007	NS 563	114	WHE		100	10.0	150.000	350.000	H		.500	G			15	75.000
-	1441-1010	NS 563	114	WHE		100	10.0	150.000	350.000	H		.500	G			15	99.000
-	1441-1205	NS 563	114	WHE		120	10.0	150.000	350.000	H		.500	G			15	50.000
-	1441-1207	NS 563	114	WHE		120	10.0	150.000	350.000	H		.500	G			15	75.000
-	1441-1210	NS 563	114	WHE		120	10.0	150.000	350.000	H		.500	G			15	99.000
	1561-0403	NS 605	3	WHE	50	40	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1561-0404	NS 605	3	WHE	50	40	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-0408	NS 605	3	WHE	50	40	7.0	20.000	150.000	C	200J	.200	G	5MA	40	30	8.000
	1561-0410	NS 605	3	WHE	50	40	7.0	20.000	150.000	C	200J	.200	G	5MA	40	30	10.000
	1561-0608	NS 605	3	WHE	70	60	7.0	20.000	150.000	C	200J	.200	G	5MA	60	30	8.000
	1561-0610	NS 605	3	WHE	70	60	7.0	20.000	150.000	C	200J	.200	G	5MA	60	30	10.000
	1561-0615	NS 605	3	WHE	70	60	7.0	30.000	150.000	C	200J	.200	G	5MA	60	30	15.000
	1561-0803	NS 605	3	WHE	90	80	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1561-0804	NS 605	3	WHE	90	80	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-0805	NS 605	3	WHE	90	80	7.0	15.000	115.000	C	200J	1.000	G			30	5.000
	1561-0808	NS 605	3	WHE	90	80	7.0	20.000	150.000	C	200J	.200	G	5MA	80	30	8.000
	1561-0810	NS 605	3	WHE	90	80	7.0	20.000	150.000	C	200J	.200	G	5MA	80	30	10.000
	1561-0815	NS 605	3	WHE	90	80	7.0	30.000	150.000	C	200J	.200	G	5MA	80	30	15.000
	1561-1005	NS 605	3	WHE	110	100	7.0	15.000	115.000	C	200J	1.000	G			30	5.000
	1561-1008	NS 605	3	WHE	110	100	7.0	20.000	150.000	C	200J	.200	G	5MA	180	30	8.000
	1561-1010	NS 605	3	WHE	110	100	7.0	20.000	150.000	C	200J	.200	G	5MA	100	30	10.000
	1561-1015	NS 605	3	WHE	110	100	7.0	30.000	150.000	C	200J	.200	G	5MA	100	30	15.000
	1561-1205	NS 605	3	WHE	130	120	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1561-1208	NS 605	3	WHE	130	120	7.0	20.000	150.000	C	200J	.200	G	5MA	120	30	8.000
	1561-1210	NS 605	3	WHE	130	120	7.0	20.000	150.000	C	200J	.200	G	5MA	120	30	10.000
	1561-1215	NS 605	3	WHE	130	120	7.0	30.000	150.000	C	200J	.200	G	5MA	120	30	15.000
	1561-1404	NS 605	3	WHE	150	140	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-1405	NS 605	3	WHE	150	140	7.0	15.000	115.000	C	200J	1.000	G			30	5.000
	1561-1410	NS 605	3	WHE	150	140	7.0	20.000	150.000	C	200J	.200	G	5MA	140	30	10.000
	1561-1415	NS 605	3	WHE	150	140	7.0	30.000	150.000	C	200J	.200	G	5MA	140	30	15.000
	1561-1604	NS 605	3	WHE	170	160	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-1605	NS 605	3	WHE	170	160	7.0	15.000	115.000	C	200J	1.000	G			30	5.000
	1561-1608	NS 605	3	WHE	170	160	7.0	20.000	150.000	C	200J	.200	G	5MA	160	30	8.000
	1561-1610	NS 605	3	WHE	170	160	7.0	20.000	150.000	C	200J	.200	G	5MA	160	30	10.000
	1561-1615	NS 605	3	WHE	170	160	7.0	30.000	150.000	C	200J	.200	G	5MA	160	30	15.000
	1561-1803	NS 605	3	WHE	190	180	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1561-1804	NS 605	3	WHE	190	180	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-1805	NS 605	3	WHE	190	180	7.0	15.000	115.000	C	200J	1.000	G			30	5.000
	1561-1808	NS 605	3	WHE	190	180	7.0	20.000	150.000	C	200J	.200	G	5MA	180	30	8.000
	1561-1810	NS 605	3	WHE	190	180	7.0	20.000	150.000	C	200J	.200	G	5MA	180	30	10.000
	1561-1815	NS 605	3	WHE	190	180	7.0	30.000	150.000	C	200J	.200	G	5MA	180	30	15.000
	1561-2003	NS 605	3	WHE	210	200	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1561-2004	NS 605	3	WHE	210	200	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1561-2008	NS 605	3	WHE	210	200	7.0	20.000	150.000	C	200J	.200	G	5MA	200	30	8.000
	1561-2010	NS 605	3	WHE	210	200	7.0	20.000	150.000	C	200J	.200	G	5MA	200	30	10.000
	1571-0401	NS 605	66	WHE	50	40	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-0402	NS 605	66	WHE	50	40	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-0420	NS 605	66	WHE		40	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-0425	NS 605	66	WHE		40	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-0601	NS 605	66	WHE	70	60	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-0602	NS 605	66	WHE	70	60	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-0620	NS 605	66	WHE		60	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-0801	NS 605	66	WHE	90	80	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-0802	NS 605	66	WHE	90	80	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-0820	NS 605	66	WHE		80	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-0825	NS 605	66	WHE		80	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-1001	NS 605	66	WHE	110	100	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-1002	NS 605	66	WHE	110	100	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-1020	NS 605	66	WHE		100	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-1025	NS 605	66	WHE		100	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-1201	NS 605	66	WHE	130	120	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-1202	NS 605	66	WHE	130	120	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-1220	NS 605	66	WHE		120	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-1225	NS 605	66	WHE		120	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-1401	NS 605	66	WHE	150	140	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-1402	NS 605	66	WHE	150	140	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-1425	NS 605	66	WHE		140	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-1601	NS 605	66	WHE	170	160	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-1602	NS 605	66	WHE	170	160	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-1620	NS 605	66	WHE		160	7.0	4.000	29.000	H	200J	1.000	G			30	3.000
	1571-1625	NS 605	66	WHE		160	7.0	4.000	29.000	H	200J	1.000	G			38	4.000
	1571-1801	NS 605	66	WHE	190	180	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-1802	NS 605	66	WHE	190	180	7.0	4.000	29.000	C	200J	1.000	G			30	2.000
	1571-1820	NS 605	66	WHE	190	180	7.0	4.000	29.000	C	200J	1.000	G			38	.500
	1571-1825	NS 605	66	WHE	190	180	7.0	4.000	29.000	C	200J	1.000	G			38	.500
	1571-2001	NS 605	66	WHE	210	200	7.0	4.000	29.000	C	200J	1.000	G			30	1.000
	1571-2020	NS 605	66	WHE	210	200	7.0	4.000	29.000	C	200J	1.000	G			38	.500
	1571-2025	NS 605	66	WHE	210	200	7.0	4.000	29.000	C	200J	1.000	G			38	.500
	1582-0403	NS 605	3	WHE	50	40	7.0	15.000	115.000	C	200J	1.000	G			30	3.000
	1582-0404	NS 605	3	WHE	50	40	7.0	15.000	115.000	C	200J	1.000	G			30	4.000
	1582-0405	NS 605	3	WHE	50	40	7.0	15.000	115.000	C	200J	1.000	G			30	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}	Gain h_{FE} @ I_C(A)
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) Cond.				
	1582-0408	NS 605	3	WHE	50	40	7.0	30.000	150.000	C 200J	1.000	G		22 8.000
	1582-0410	NS 605	3	WHE	50	40	7.0	30.000	150.000	C 200J	1.000	G		22 10.000
	1582-0415	NS 605	3	WHE	50	40	7.0	30.000	150.000	C 200J	1.000	G		22 15.000
	1582-0508	NS 605	3	WHE		40	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-0510	NS 605	3	WHE		50	7.0	30.000	150.000	C 200J	1.000	G		23 10.000
	1582-0603	NS 605	3	WHE	70	60	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-0604	NS 605	3	WHE	70	60	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-0605	NS 605	3	WHE	70	60	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-0608	NS 605	3	WHE		60	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-0610	NS 605	3	WHE	70	60	7.0	30.000	150.000	C 200J	1.000	G		22 10.000
	1582-0615	NS 605	3	WHE		60	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-0803	NS 605	3	WHE	90	80	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-0804	NS 605	3	WHE	90	80	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-0805	NS 605	3	WHE	90	80	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-0808	NS 605	3	WHE		80	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-0810	NS 605	3	WHE	90	80	7.0	30.000	150.000	C 200J	1.000	G		22 10.000
	1582-0815	NS 605	3	WHE		80	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-1003	NS 605	3	WHE	110	100	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-1004	NS 605	3	WHE	110	100	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-1005	NS 605	3	WHE	110	100	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-1008	NS 605	3	WHE		100	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-1010	NS 605	3	WHE		100	7.0	30.000	150.000	C 200J	1.000	G		23 10.000
	1582-1015	NS 605	3	WHE		100	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-1203	NS 605	3	WHE	130	120	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-1204	NS 605	3	WHE	130	120	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-1205	NS 605	3	WHE	130	120	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-1208	NS 605	3	WHE		120	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-1210	NS 605	3	WHE		120	7.0	30.000	150.000	C 200J	1.000	G		23 10.000
	1582-1215	NS 605	3	WHE		120	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-1403	NS 605	3	WHE	150	140	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-1404	NS 605	3	WHE	150	140	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-1405	NS 605	3	WHE	150	140	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-1408	NS 605	3	WHE	150	140	7.0	30.000	150.000	C 200J	1.000	G		22 8.000
	1582-1410	NS 605	3	WHE		140	7.0	30.000	150.000	C 200J	1.000	G		23 10.000
	1582-1415	NS 605	3	WHE		140	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-1603	NS 605	3	WHE	170	160	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-1604	NS 605	3	WHE	170	160	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-1605	NS 605	3	WHE	170	160	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-1608	NS 605	3	WHE		160	7.0	30.000	150.000	C 200J	1.000	G		23 8.000
	1582-1610	NS 605	3	WHE		160	7.0	30.000	150.000	C 200J	1.000	G		23 10.000
	1582-1615	NS 605	3	WHE		160	7.0	30.000	150.000	C 200J	1.000	G		23 15.000
	1582-1803	NS 605	3	WHE	190	180	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-1804	NS 605	3	WHE	190	180	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-1805	NS 605	3	WHE	190	180	7.0	15.000	115.000	C 200J	1.000	G		30 5.000
	1582-1808	NS 605	3	WHE	190	180	7.0	30.000	150.000	C 200J	1.000	G		22 8.000
	1582-1810	NS 605	3	WHE	190	180	7.0	30.000	150.000	C 200J	1.000	G		22 10.000
	1582-1815	NS 605	3	WHE	190	180	7.0	30.000	150.000	C 200J	1.000	G		22 15.000
	1582-2003	NS 605	3	WHE	210	200	7.0	15.000	115.000	C 200J	1.000	G		30 3.000
	1582-2004	NS 605	3	WHE	210	200	7.0	15.000	115.000	C 200J	1.000	G		30 4.000
	1582-2008	NS 605	3	WHE	210	200	7.0	30.000	150.000	C 200J	1.000	G		22 8.000
	1582-2010	NS 605	3	WHE	210	200	7.0	30.000	150.000	C 200J	1.000	G		22 10.000
	1714-0402	NS 605	66	WHE	50	40	7.0	10.000	25.000	H 200J	40.000	G	3MA 50	30 2.000
	1714-0405	NS 605	66	WHE	50	40	7.0	10.000	25.000	H 200J	40.000	G	3MA 50	30 5.000
	1714-0602	NS 605	66	WHE	70	60	7.0	10.000	25.000	H 200J	40.000	G	3MA 70	30 2.000
	1714-0605	NS 605	66	WHE	70	60	7.0	10.000	25.000	H 200J	40.000	G	3MA 70	30 5.000
	1714-0802	NS 605	66	WHE	90	80	7.0	10.000	25.000	H 200J	40.000	G	3MA 90	30 2.000
	1714-0805	NS 605	66	WHE	90	80	7.0	10.000	25.000	H 200J	40.000	G	3MA 90	30 5.000
	1714-1002	NS 605	66	WHE	110	100	7.0	10.000	25.000	H 200J	40.000	G	3MA 110	30 2.000
	1714-1005	NS 605	66	WHE	110	100	7.0	10.000	25.000	H 200J	40.000	G	3MA 110	30 5.000
	1714-1202	NS 605	66	WHE	130	120	7.0	10.000	25.000	H 200J	40.000	G	3MA 130	30 2.000
	1714-1205	NS 605	66	WHE	130	120	7.0	10.000	25.000	H 200J	40.000	G	3MA 130	30 5.000
	1714-1402	NS 605	66	WHE	150	140	7.0	10.000	25.000	H 200J	40.000	G	3MA 150	30 2.000
	1714-1405	NS 605	66	WHE	150	140	7.0	10.000	25.000	H 200J	40.000	G	3MA 150	30 5.000
	1714-1602	NS 605	66	WHE	170	160	7.0	10.000	25.000	H 200J	40.000	G	3MA 170	30 2.000
	1714-1605	NS 605	66	WHE	170	160	7.0	10.000	25.000	H 200J	40.000	G	3MA 170	30 5.000
	1714-1802	NS 605	66	WHE	190	180	7.0	10.000	25.000	H 200J	40.000	G	3MA 190	30 2.000
	1714-1805	NS 605	66	WHE	190	180	7.0	10.000	25.000	H 200J	40.000	G	3MA 190	30 5.000
	1716-0602	NS 560	61	WHE		60	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-0605	NS 560	61	WHE		60	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-0802	NS 560	61	WHE		80	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-0805	NS 560	61	WHE		80	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-1002	NS 560	61	WHE		100	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-1005	NS 560	61	WHE		100	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-1202	NS 560	61	WHE		120	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-1205	NS 560	61	WHE		120	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-1402	NS 560	61	WHE		140	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-1405	NS 560	61	WHE		140	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-1602	NS 560	61	WHE		160	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1716-1605	NS 560	61	WHE		160	7.0	10.000	50.000	H 200J	70.000	G		30 5.000
	1716-1802	NS 560	61	WHE		180	7.0	10.000	50.000	H 200J	70.000	G		30 2.000
	1718-0602	NS 568	111	WHE		60	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-0605	NS 568	111	WHE		60	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-0802	NS 568	111	WHE		80	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-0805	NS 568	111	WHE		80	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-1002	NS 568	111	WHE		100	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-1005	NS 568	111	WHE		100	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-1202	NS 568	111	WHE		120	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-1205	NS 568	111	WHE		120	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-1402	NS 568	111	WHE		140	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-1405	NS 568	111	WHE		140	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-1602	NS 568	111	WHE		160	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1718-1605	NS 568	111	WHE		160	7.0	10.000	33.000	H 200J	70.000	G		30 5.000
	1718-1802	NS 568	111	WHE		180	7.0	10.000	33.000	H 200J	70.000	G		30 2.000
	1723-0405	NS 605	3	WHE	50	40	7.0	20.000	85.000	H 200J	30.000	G	5MA 50	30 5.000
	1723-0410	NS 605	3	WHE	50	40	7.0	20.000	85.000	H 200J	30.000	G	5MA 50	30 10.000
	1723-0605	NS 605	3	WHE	70	60	7.0	20.000	85.000	H 200J	30.000	G	5MA 70	30 5.000
	1723-0610	NS 605	3	WHE	70	60	7.0	20.000	85.000	H 200J	30.000	G	5MA 70	30 10.000
	1723-0805	NS 605	3	WHE	90	80	7.0	20.000	85.000	H 200J	30.000	G	5MA 90	30 5.000
	1723-0810	NS 605	3	WHE	90	80	7.0	20.000	85.000	H 200J	30.000	G	5MA 90	30 10.000
	1723-1005	NS 605	3	WHE	110	100	7.0	20.000	85.000	H 200J	30.000	G	5MA 110	30 5.000
	1723-1010	NS 605	3	WHE	110	100	7.0	20.000	85.000	H 200J	30.000	G	5MA 110	30 10.000
	1723-1205	NS 605	3	WHE	130	120	7.0	20.000	85.000	H 200J	30.000	G	5MA 130	30 5.000
	1723-1210	NS 605	3	WHE	130	120	7.0	20.000	85.000	H 200J	30.000	G	5MA 130	30 10.000
	1723-1405	NS 605	3	WHE	150	140	7.0	20.000	85.000	H 200J	30.000	G	5MA 150	30 5.000
	1723-1410	NS 605	3	WHE	150	140	7.0	20.000	85.000	H 200J	30.000	G	5MA 150	30 10.000
	1723-1605	NS 605	3	WHE	170	160	7.0	20.000	85.000	H 200J	30.000	G	5MA 170	30 5.000
	1723-1610	NS 605	3	WHE	170	160	7.0	20.000	85.000	H 200J	30.000	G	5MA 170	30 10.000
	1723-1805	NS 605	3	WHE	190	180	7.0	20.000	85.000	H 200J	30.000	G	5MA 190	30 5.000
	1723-1810	NS 605	3	WHE	190	180	7.0	20.000	85.000	H 200J	30.000	G	5MA 190	30 10.000
	1723-2005	NS 605	3	WHE		200	7.0	20.000	150.000	H 200J	50.000	G		30 5.000
	1743-0610	NS 605	3	WHE	70	60	7.0	30.000	100.000	H 200J	30.000	G	5MA 45	45 10.000
	1743-0630	NS 605	3	WHE	70	60	7.0	30.000	100.000	H 200J	30.000	G	5MA 45	45 30.000
	1743-0820	NS 605	3	WHE	90	80	7.0	30.000	100.000	H 200J	30.000	G	5MA 60	45 20.000
	1743-1010	NS 605	3	WHE	110	100	7.0	30.000	100.000	H 200J	30.000	G	5MA 75	45 20.000
	1743-1030	NS 605	3	WHE	110	100	7.0	30.000	100.000	H 200J	30.000	G	5MA 75	45 30.000
	1743-1220	NS 605	3	WHE	130	120	7.0	30.000	100.000	H 200J	30.000	G	5MA 90	45 20.000
	1743-1410	NS 605	3	WHE	150	140	7.0	30.000	100.000	H 200J	30.000	G	5MA 105	45 10.000
	1743-1430	NS 605	3	WHE	150	140	7.0	30.000	100.000	H 200J	30.000	G	5MA 105	45 30.000
	1743-1620	NS 605	3	WHE	170	160	7.0	30.000	100.000	H 200J	30.000	G	5MA 120	45 20.000
	1743-1810	NS 605	3	WHE	190	180	7.0	30.000	100.000	H 200J	30.000	G	5MA 135	45 10.000
	1743-1820	NS 605	3	WHE	190	180	7.0	30.000	100.000	H 200J	30.000	G	5MA 135	45 20.000
	1743-1830	NS 605	3	WHE	190	180	7.0	30.000	100.000	H 200J	30.000	G	5MA 135	45 30.000
	1748-0610	NS 561	63	WHE	70	60	7.0	20.000	200.000	C 200J	30.000	G	5MA 70	45 10.000
	1748-0630	NS 561	63	WHE	70	60	7.0	20.000	200.000	C 200J	30.000	G	5MA 70	45 30.000
	1748-0810	NS 561	63	WHE	90	80	7.0	20.000	200.000	C 200J	30.000	G	5MA 90	45 10.000
	1748-0820	NS 561	63	WHE	90	80	7.0	20.000	200.000	C 200J	30.000	G	5MA 90	45 20.000
	1748-0830	NS 561	63	WHE	90	80	7.0	20.000	200.000	C 200J	30.000	G	5MA 90	45 30.000
	1748-1010	NS 561	63	WHE	110	100	7.0	20.000	200.000	C 200J	30.000	G	5MA 110	45 10.000
	1748-1030	NS 561	63	WHE	110	100	7.0	20.000	200.000	C 200J	30.000	G	5MA 110	45 30.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain		
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}		h_{FE} @ Ic(A)	
	1748-1210	NS 561	63	WHE	130	120	7.0	20.000	200.000	C	200	J	30.000	G	5MA 130	45	10.000
	1748-1220	NS 561	63	WHE	130	120	7.0	20.000	200.000	C	200	J	30.000	G	5MA 130	45	20.000
	1748-1230	NS 561	63	WHE	130	120	7.0	20.000	200.000	C	200	J	30.000	G	5MA 130	45	30.000
	1748-1410	NS 561	63	WHE	150	140	7.0	20.000	200.000	C	200	J	30.000	G	5MA 150	45	10.000
	1748-1430	NS 561	63	WHE	150	140	7.0	20.000	200.000	C	200	J	30.000	G	5MA 150	45	30.000
	1748-1610	NS 561	63	WHE	170	160	7.0	20.000	200.000	C	200	J	30.000	G	5MA 170	45	10.000
	1748-1620	NS 561	63	WHE	170	160	7.0	20.000	200.000	C	200	J	30.000	G	5MA 170	45	20.000
	1748-1630	NS 561	63	WHE	170	160	7.0	20.000	200.000	C	200	J	30.000	G	5MA 170	45	30.000
	1748-1810	NS 561	63	WHE	190	180	7.0	20.000	200.000	C	200	J	30.000	G	5MA 190	45	10.000
	1748-1820	NS 561	63	WHE	190	180	7.0	20.000	200.000	C	200	J	30.000	G	5MA 190	45	20.000
	1748-1830	NS 561	63	WHE	190	180	7.0	20.000	200.000	C	200	J	30.000	G	5MA 190	45	30.000
	1756-0440	NS 560	63	WHE	50	40	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-0460	NS 560	63	WHE	50	40	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-0640	NS 560	63	WHE	70	60	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-0660	NS 560	63	WHE	70	60	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-0840	NS 560	63	WHE	90	80	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-0860	NS 560	63	WHE	90	80	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-1040	NS 560	63	WHE	110	100	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-1060	NS 560	63	WHE	110	100	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-1240	NS 560	63	WHE	130	120	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-1260	NS 560	63	WHE	130	120	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-1440	NS 560	63	WHE	150	140	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-1460	NS 560	63	WHE	150	140	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
	1756-1640	NS 560	63	WHE	170	160	7.0	75.000	150.000	H	200	J	30.000	G		22	40.000
	1756-1660	NS 560	63	WHE	170	160	7.0	75.000	150.000	H	200	J	30.000	G		22	60.000
-	1761-04	NS 605	3	WHE	47	40	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-06	NS 605	3	WHE	67	60	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-08	NS 605	3	WHE	87	80	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-10	NS 605	3	WHE	106	100	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-12	NS 605	3	WHE	127	120	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-14	NS 605	3	WHE	147	140	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
-	1761-16	NS 605	3	WHE	167	160	7.0	30.000	125.000	C	200	J	30.000	G		30	20.000
	1763-0610	NS 605	3	WHE		60	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-0620	NS 605	3	WHE		60	7.0	40.000	85.000	H	200	J	50.000	G		30	20.000
	1763-0630	NS 605	3	WHE		60	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-0810	NS 605	3	WHE		80	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-0820	NS 605	3	WHE		80	7.0	40.000	85.000	H	200	J	50.000	G		30	20.000
	1763-0830	NS 605	3	WHE		80	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-1010	NS 605	3	WHE		100	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-1020	NS 605	3	WHE		100	7.0	40.000	85.000	H	200	J	50.000	G		30	20.000
	1763-1030	NS 605	3	WHE		100	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-1210	NS 605	3	WHE		120	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-1220	NS 605	3	WHE		120	7.0	40.000	85.000	H	200	J	50.000	G		30	20.000
	1763-1230	NS 605	3	WHE		120	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-1410	NS 605	3	WHE		140	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-1420	NS 605	3	WHE		140	7.0	40.000	85.000	H	200	J	50.000	G		30	20.000
	1763-1430	NS 605	3	WHE		140	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-1610	NS 605	3	WHE		160	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1763-1620	NS 605	3	WHE		160	7.0	40.000	85.000	H	200	J	50.000	H		30	20.000
	1763-1630	NS 605	3	WHE		160	7.0	40.000	85.000	H	200	J	50.000	G		30	30.000
	1763-1810	NS 605	3	WHE		180	7.0	40.000	85.000	H	200	J	50.000	G		30	10.000
	1768-0610	NS 560	63	WHE		60	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-0620	NS 560	63	WHE		60	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-0630	NS 560	63	WHE		60	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-0810	NS 560	63	WHE		80	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-0820	NS 560	63	WHE		80	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-0830	NS 560	63	WHE		80	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-1010	NS 560	63	WHE		100	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-1020	NS 560	63	WHE		100	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-1030	NS 560	63	WHE		100	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-1210	NS 560	63	WHE		120	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-1220	NS 560	63	WHE		120	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-1230	NS 560	63	WHE		120	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-1410	NS 560	63	WHE		140	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-1420	NS 560	63	WHE		140	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-1430	NS 560	63	WHE		140	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-1610	NS 560	63	WHE		160	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1768-1620	NS 560	63	WHE		160	7.0	40.000	100.000	H	200	J	50.000	G		30	20.000
	1768-1630	NS 560	63	WHE		160	7.0	40.000	100.000	H	200	J	50.000	G		30	30.000
	1768-1810	NS 560	63	WHE		180	7.0	40.000	100.000	H	200	J	50.000	G		30	10.000
	1776-0440	NS 560	63	WHE		40	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-0460	NS 560	63	WHE		40	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-0640	NS 560	63	WHE		60	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-0660	NS 560	63	WHE		60	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-0840	NS 560	63	WHE		80	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-0860	NS 560	63	WHE		80	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-1040	NS 560	63	WHE		100	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-1060	NS 560	63	WHE		100	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-1240	NS 560	63	WHE		120	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-1260	NS 560	63	WHE		120	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-1440	NS 560	63	WHE		140	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1776-1460	NS 560	63	WHE		140	7.0	75.000	150.000	H	200	J	35.000	G		23	60.000
	1776-1640	NS 560	63	WHE		160	7.0	75.000	150.000	H	200	J	35.000	G		23	40.000
	1781-0450	NS 563	114	WHE	50	40	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-0470	NS 563	114	WHE	50	40	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-0490	NS 563	114	WHE	50	40	7.0	90.000	200.000	H	200	J	30.000	G		15	90.000
	1781-0650	NS 563	114	WHE	70	60	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-0670	NS 563	114	WHE	70	60	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-0690	NS 563	114	WHE	70	60	7.0	90.000	200.000	H	200	J	30.000	G		15	90.000
	1781-0850	NS 563	114	WHE	90	80	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-0870	NS 563	114	WHE	90	80	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-0890	NS 563	114	WHE	90	80	7.0	90.000	200.000	H	200	J	30.000	G		15	90.000
	1781-1050	NS 563	114	WHE	110	100	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-1070	NS 563	114	WHE	110	100	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-1090	NS 563	114	WHE	110	100	7.0	90.000	200.000	H	200	J	30.000	G		15	90.000
	1781-1250	NS 563	114	WHE	130	120	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-1270	NS 563	114	WHE	130	120	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-1290	NS 563	114	WHE	130	120	7.0	90.000	200.000	H	200	J	30.000	G		15	90.000
	1781-1450	NS 563	114	WHE	150	140	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
	1781-1470	NS 563	114	WHE	150	140	7.0	90.000	200.000	H	200	J	30.000	G		22	70.000
	1781-1650	NS 563	114	WHE	170	160	7.0	90.000	200.000	H	200	J	30.000	G		22	50.000
-	1814-2001	NS 605	66	WHE	225	200	7.0	10.000	44.000	C	150	J	30.000	G	3MA 210	30	1.000
-	1814-2002	NS 605	66	WHE	225	200	7.0	10.000	44.000	C	150	J	30.000	G	3MA 210	30	2.000
-	1814-2005	NS 605	66	WHE	225	200	7.0	10.000	44.000	C	150	J	30.000	G	3MA 210	30	5.000
-	1814-2201	NS 605	66	WHE	250	225	7.0	10.000	44.000	C	150	J	30.000	G	3MA 235	30	1.000
-	1814-2202	NS 605	66	WHE	250	225	7.0	10.000	44.000	C	150	J	30.000	G	3MA 235	30	2.000
-	1814-2205	NS 605	66	WHE	250	225	7.0	10.000	44.000	C	150	J	30.000	G	3MA 235	30	5.000
-	1814-2501	NS 605	66	WHE	275	250	7.0	10.000	44.000	C	150	J	30.000	G	3MA 260	30	1.000
-	1814-2502	NS 605	66	WHE	275	250	7.0	10.000	44.000	C	150	J	30.000	G	3MA 260	30	2.000
-	1814-2505	NS 605	66	WHE	275	250	7.0	10.000	44.000	C	150	J	30.000	G	3MA 260	30	5.000
-	1814-2701	NS 605	66	WHE	300	275	7.0	10.000	44.000	C	150	J	30.000	G	3MA 285	30	1.000
-	1814-2702	NS 605	66	WHE	300	275	7.0	10.000	44.000	C	150	J	30.000	G	3MA 285	30	2.000
-	1814-2705	NS 605	66	WHE	300	275	7.0	10.000	44.000	C	150	J	30.000	G	3MA 285	30	5.000
-	1814-3001	NS 605	66	WHE	325	300	7.0	10.000	44.000	C	150	J	30.000	G	3MA 310	30	1.000
-	1814-3002	NS 605	66	WHE	325	300	7.0	10.000	44.000	C	150	J	30.000	G	3MA 310	30	2.000
-	1814-3005	NS 605	66	WHE	325	300	7.0	10.000	44.000	C	150	J	30.000	G	3MA 310	30	5.000
-	1814-3201	NS 605	66	WHE	350	325	7.0	10.000	44.000	C	150	J	30.000	G	3MA 335	30	1.000
-	1814-3202	NS 605	66	WHE	350	325	7.0	10.000	44.000	C	150	J	30.000	G	3MA 335	30	2.000
-	1814-3205	NS 605	66	WHE	350	325	7.0	10.000	44.000	C	150	J	30.000	G	3MA 335	30	5.000
-	1814-3501	NS 605	66	WHE	375	350	7.0	10.000	44.000	C	150	J	30.000	G	3MA 360	30	1.000
-	1814-3502	NS 605	66	WHE	375	350	7.0	10.000	44.000	C	150	J	30.000	G	3MA 360	30	2.000
-	1814-3505	NS 605	66	WHE	375	350	7.0	10.000	44.000	C	150	J	30.000	G	3MA 360	30	5.000
-	1814-3701	NS 605	66	WHE	400	375	7.0	10.000	44.000	C	150	J	30.000	G	3MA 385	30	1.000
-	1814-3702	NS 605	66	WHE	400	375	7.0	10.000	44.000	C	150	J	30.000	G	3MA 385	30	2.000
-	1814-3705	NS 605	66	WHE	400	375	7.0	10.000	44.000	C	150	J	30.000	G	3MA 385	30	5.000
	1843-2005	NS 605	3	WHE	225	200	7.0	30.000	150.000	C	200	J	20.000	G	10MA 225	30	5.000
	1843-2010	NS 605	3	WHE	225	200	7.0	30.000	150.000	C	200	J	20.000	G	10MA 225	22	10.000
	1843-2020	NS 605	3	WHE	225	200	7.0	30.000	150.000	C	200	J	20.000	G	10MA 225	15	20.000
	1843-2205	NS 605	3	WHE	250	225	7.0	30.000	150.000	C	200	J	20.000	G	10MA 250	30	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	1843-2210	NS 605	3	WHE	250	225	7.0	30.000	150.000	C	200J		20.000	G	10MA 250	22 10.000
	1843-2220	NS 605	3	WHE	250	225	7.0	30.000	150.000	C	200J		20.000	G	10MA 250	15 20.000
	1843-2505	NS 605	3	WHE	275	250	7.0	30.000	150.000	C	200J		20.000	G	10MA 275	30 5.000
	1843-2510	NS 605	3	WHE	275	250	7.0	30.000	150.000	C	200J		20.000	G	10MA 275	22 10.000
	1843-2520	NS 605	3	WHE	275	250	7.0	30.000	150.000	C	200J		20.000	G	10MA 275	15 20.000
	1843-2705	NS 605	3	WHE	300	275	7.0	30.000	150.000	C	200J		20.000	G	10MA 300	30 5.000
	1843-2710	NS 605	3	WHE	300	275	7.0	30.000	150.000	C	200J		20.000	G	10MA 300	22 10.000
	1843-2720	NS 605	3	WHE	300	275	7.0	30.000	150.000	C	200J		20.000	G	10MA 300	15 20.000
	1843-3005	NS 605	3	WHE	325	300	7.0	30.000	150.000	C	200J		20.000	G	10MA 325	30 5.000
	1843-3010	NS 605	3	WHE	325	300	7.0	30.000	150.000	C	200J		20.000	G	10MA 325	22 10.000
	1843-3020	NS 605	3	WHE	325	300	7.0	30.000	150.000	C	200J		20.000	G	10MA 325	15 20.000
	1843-3205	NS 605	3	WHE	350	325	7.0	30.000	150.000	C	200J		20.000	G	10MA 350	30 5.000
	1843-3210	NS 605	3	WHE	350	325	7.0	30.000	150.000	C	200J		20.000	G	10MA 350	22 10.000
	1843-3220	NS 605	3	WHE	350	325	7.0	30.000	150.000	C	200J		20.000	G	10MA 350	15 20.000
	1843-3505	NS 605	3	WHE	375	350	7.0	30.000	150.000	C	200J		20.000	G	10MA 375	30 5.000
	1843-3510	NS 605	3	WHE	375	350	7.0	30.000	150.000	C	200J		20.000	G	10MA 375	22 10.000
	1843-3705	NS 605	3	WHE	400	375	7.0	30.000	150.000	C	200J		20.000	G	10MA 400	30 5.000
	1856-2030	NS 560	63	WHE	225	200	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-2040	NS 560	63	WHE	225	200	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-2230	NS 560	63	WHE	250	225	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-2240	NS 560	63	WHE	250	225	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-2530	NS 560	63	WHE	275	250	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-2540	NS 560	63	WHE	275	250	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-2730	NS 560	63	WHE	300	275	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-2740	NS 560	63	WHE	300	275	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-3030	NS 560	63	WHE	325	300	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-3040	NS 560	63	WHE	325	300	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-3230	NS 560	63	WHE	350	325	7.0	65.000	150.000	H	200J		20.000	G		22 30.000
	1856-3240	NS 560	63	WHE	350	325	7.0	65.000	150.000	H	200J		20.000	G		22 40.000
	1856-3530	NS 560	63	WHE	375	350	7.0	55.000	150.000	H	200J		20.000	G		22 30.000
	3907			SEE 2N404A												
	40022	PG 605	3	RCA	32	32R	5.0	5.000	12.500	C	100J		.300	G	1MA 30	70 1.000
	40050	PG 605	3	RCA	40	40	5.0	5.000	12.500	A	100J		.500	G	500UA 30	90
	40051	PG 605	3	RCA	50	50R	5.0	5.000	12.500	A	100J		.500	G	500UA 30	90
	40053			SEE 2N3053												
	40080	NS 211	5	RCA		30		.250	.500	A	200J		CBAMP		10UA 15	
	40081	NS 211	5	RCA		60X	2.0	.250	2.000	C	200J		CBAMP		10UA 15	
	40082			SEE RF POWER SECTION												
	40084	NS 211	18	RCA	60	40	5.0	1.000	1.800	C	200J		100.000	G	250NA 30	112 .150
	40217			SEE 2N3261												
	40218			SEE 2N3261												
	40219			SEE 2N3261												
	40220			SEE 2N3261												
	40221			SEE 2N3261												
	40222			SEE 2N3261												
	40231	NS 170 J		RCA	18	18	5.0	.100	.500	A	175J		60.000	G	10UA 12	80 .002
	40232	NS 170 J		RCA	18	18	5.0	.100	.500	A	175J		60.000	G	10UA 12	175 .002
	40233	NS 170 J		RCA	18	18	5.0	.100	.500	A	175J		60.000	G	10UA 12	175 .002
	40234	NS 170 J		RCA	18	18	5.0	.100	.400	A	175J		60.000	G	10UA 12	80 .002
	40235	NS 217	104	RCA	35		3.0	.050	.180	A	175J		1200.000	G	1UA 35	80 .001
	40236	NS 217	104	RCA	35		3.0	.050	.180	A	175J		1200.000	G	1UA 35	120 .001
	40237	NS 217	104	RCA	35		3.0	.050	.180	A	175J		1200.000	G	1UA 35	100 .001
	40238	NS 217	104	RCA	35		3.0	.050	.180	A	175J		900.000	G	1UA 35	80 .001
	40239	NS 217	104	RCA	35		3.0	.050	.180	A	175J		900.000	G	1UA 35	50 .001
	40240	NS 217	104	RCA	35		3.0	.050	.180	A	175J		900.000	G	1UA 35	100 .001
	40242	NS 217	104	RCA	35		5.0	.050	.180	A	175J		400.000	G	20NA 1	80 .001
	40243	NS 217	104	RCA	35		3.0	.050	.180	A	175J		88.000	G	20NA 1	80 .001
	40244	NS 217	104	RCA	35		3.0	.050	.180	A	175J		FM OSC		20NA 1	65 .001
	40245	NS 217	104	RCA	35		3.0	.050	.180	A	175J		FM IF		20NA 1	120 .001
	40246	NS 217	104	RCA	35		3.0	.050	.180	A	175J		FM IF		20NA 1	55 .001
	40250	NS 605	66	RCA	50	40	5.0	4.000	29.000	C	200J		1.000	G	1MA 30	50 1.500
	40250V1	NS 720 A		RCA	50	40	5.0	4.000	5.800	A	200J		1.000	G	1MA 30	50 1.500
	40251	NS 605	3	RCA	50	40	5.0	15.000	117.000	C	200J		.500	G	2MA 40	30 8.000
-	40253	PG 120	1	RCA	25	25	2.5	.500	.125	A	90J		1.000	G	14UA 12	76 .400
	40254	PG 605	3	RCA	32	32R	5.0	5.000	12.500	C	100J		.300	G	3MA 30	70 1.000
	40261	PG 120	1	RCA	50		.5		.080	A	85J		40.000	G	12UA 12	80
	40262	PG 120	1	RCA	50		.5		.080	A	85J		30.000	G	12UA 12	160
	40263	PG 120	1	RCA	20	18R	2.5		.120	A	100J		10.000	B	12UA 20	180
-	40264	NS 622 A		RCA	300	300X	3.0		4.000	A	150J		25.000	G	100UA 300	70
-	40268	NG 211	18	RCA	25	15S	1.0	.100	.100	A	100J		250.000	G	10UA 12	50 .001
	40269	PG 211	5	RCA	25		12.0	.100	.150	A	85J		4.000	G	5UA 12	100 .012
	40279			SEE RF POWER SECTION												
	40280			SEE RF POWER SECTION												
	40281			SEE RF POWER SECTION												
	40282			SEE RF POWER SECTION												
-	40283	NS 211	46	RCA	60	30	5.0		.400	A	200J		250.000	G	500NA 30	10 .500
	40290			SEE RF POWER SECTION												
	40291			SEE RF POWER SECTION												
	40292			SEE RF POWER SECTION												
	40294	NS 217	72	RCA	30	15	2.5	.040	.200	A	200J		1000.000	G	10NA 15	70 .003
	40295	NS 217	72	RCA	35	20	3.0	.040	.200	A	200J		700.000	G	10NA 15	80 .002
-	40296	NS 217	72	RCA	30	15	2.5	.040	.200	A	200J		1000.000	G	10NA 15	68 .003
	40305			SEE RF POWER SECTION												
	40306			SEE RF POWER SECTION												
	40307			SEE RF POWER SECTION												
	40309	NS 210	5	RCA		18	2.5	.700	1.000	A	200J		50.000	G	250NA 15	160 .050
	40310	NS 605	66	RCA		35	2.5	4.000	29.000	C	200J		.375	G	10NA 15	50 1.000
	40311	NS 210	5	RCA		30	2.5	.700	1.000	A	200J		50.000	G	250NA 15	160 .050
	40312	NS 605	66	RCA		60R	2.5	4.000	29.000	C	200J		.375	G	10NA 15	50 1.000
	40313	NS 605	66	RCA		300R	2.5	2.000	35.000	C	200J		AUD		5MA 150	100 .100
	40314	NS 210	5	RCA		40	2.5	.700	1.000	A	200J		50.000	G	250NA 15	160 .050
	40315	NS 210	5	RCA		35	2.5	.700	1.000	A	200J		50.000	G	250NA 15	160 .050
	40316	NS 605	66	RCA		40	5.0	4.000	29.000	C	200J		.375	G	10UA 15	50 1.000
	40317	NS 210	5	RCA		40	2.5	.700	1.000	A	200J		100.000	G	250NA 15	90 .010
	40318	NS 605	66	RCA		300R	6.0	2.000	35.000	C	200J		AUD		5MA 150	80 .020
	40319	PS 210	5	RCA		40	2.5	.700	1.000	A	200J		50.000	G	250NA 15	80 .050
	40320	NS 210	5	RCA		40	2.5	.700	1.000	A	200J		AUD		250NA 15	90 .050
	40321	NS 210	5	RCA		300R	5.0	1.000	1.000	A	200J		AUD		100UA 150	80 .020
	40322	NS 605	66	RCA		300R	6.0	2.000	35.000	C	200J		AUD		5MA 150	80 .020
	40323	NS 210	5	RCA		18	2.5	.700	1.000	A	200J		50.000	G	250NA 15	160 .050
	40324	NS 605	66	RCA		35	2.5	4.000	29.000	C	200J		.375	G	10UA 15	50 1.000
	40325	NS 605	3	RCA	35	35	5.0	15.000	117.000	C	200J		AUD		5MA 30	28 8.000
	40326	NS 210	5	RCA		40	2.5	.700	1.000	A	200J		AUD		250NA 15	90 .010
	40327	NS 210	5	RCA		300R	5.0	1.000	1.000	A	200J		AUD		100UA 150	80 .020
	40328	NS 605	66	RCA		300R	6.0	2.000	35.000	C	200J		AUD		5UA 150	40 1.000
	40329	NS 120	1	RCA	25	25R	2.5	.100	.125	A	100J		.750	G	14UA 12	90 .025
	40340			SEE RF POWER SECTION												
	40341			SEE RF POWER SECTION												
-	40342	NS 540	60	RCA	65	65	4.0	3.000	23.000	C	200J				250NA 30	20 .300
	40343	NS 540	60	RCA	65	65	4.0	3.000	23.000	C	200J				250NA 30	20
	40346	NS 211	5	RCA	200	175R		1.000	1.000	A	200J		10.000	G	5UA 200	50 .010
	40346V1	NS 722 A		RCA		175R		1.000	4.000	A	200J		10.000	G	5UA 100	50 .010
	40346V2	NS 635 B		RCA		175R		1.000	10.000	C	200J		10.000	G	5UA 100	50 .010
	40347	NS 211	5	RCA	60	40	7.0	1.000	1.000	A	200J		.500	G	1UA 30	40 .450
	40347V1	NS 722 B		RCA	60	40	7.0	1.500	4.400	A	200J		.500	G	1UA 30	40 .450
	40347V2	NS 635 B		RCA	60	40	7.0	1.500	11.700	C	200J		.500	G	1UA 30	40 .040
	40348	NS 211	5	RCA	90	65	7.0	1.000	1.000	A	200J		.500	G	1UA 60	54 .300
	40348V1	NS 722 B		RCA	90	65	7.0	1.500	4.400	A	200J		.500	G	1UA 60	55 .300
	40348V2	NS 635 B		RCA	90	65	7.0	1.500	11.700	C	200J		.500	G	1UA 60	55 .055
	40349	NS 211	5	RCA	160	140	7.0	1.000	1.000	A	200J		.500	G	10UA 100	50 .150
	40349V1	NS 722 B		RCA	160	140	7.0	1.500	4.400	A	200J		.500	G	1UA 90	50 .150
	40349V2	NS 635 B		RCA	160	140	7.0	1.500	11.700	C	200J		.500	G	1UA 90	50 .050
	40354	NS 211 L		RCA		150	5.0	.050	.500	A	175J		50.000	G	100NA 120	56 .010
	40355	NS 211 M		RCA		150	5.0	.050	1.000	A	175J		50.000	G	100NA 120	56 .010
	40359	PG 120	1	RCA	20	18R	2.5	.050	.120	A	100J		10.000	B	12UA 15	100 .001
	40360	NS 210	5	RCA		70	4.0	.700	1.000	A	200J		100.000	G	1UA 60	90 .010
	40361	NS 210	5	RCA		70R	4.0	.700	1.000	A	200J		100.000	G	1UA 60	160 .050
	40362	PS 210	5	RCA		70R	4.0	.700	1.000	A	200J		100.000	G	1UA 60	90 .050
	40363	NS 605	3	RCA		70R	4.0	15.000	115.000	C	200J		.700	G	500UA 60	38 4.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.					
	40364	NS 605	66	RCA		60R	4.0	7.000	35.000	C	200J		15.000	G	500UA	50	80	.500
	40366	NS 211	5	RCA	120	65	7.0	1.000	1.000	A	200J		AUD		2NA	60	70	.150
	40367	NS 211	5	RCA	100	55	12.0	1.500	1.000	A	200J		LS SW		4UA	30	60	.200
	40368	NS 170	8	RCA	100	55	12.0	3.000	25.000	C	200J		AUD		9UA	30	60	.750
	40369	NS 605	3	RCA	100	55	10.0	6.000	75.000	C	200J		AUD		10UA	30	44	1.500
	40372	NS 720 A		RCA	90	55	7.0	4.000	5.800	A	200J		.800	G	1MA	90	50	.500
	40373	NS 720 A		RCA	160	140	7.0	3.000	5.800	A	200J		.800	G	1MA	140	40	.500
	40374	NS 720 A		RCA	250	175	6.0	2.000	5.800	A	200J		15.000	G	10MA	150	20	1.000
	40375	NS 720 A		RCA	120	50	7.0	7.000	5.800	A	200J		4.000	G	5MA	40	100	.500
	40385	NS 211	5	RCA	450	350	7.0	1.000	1.000	A	200J		AUD		20UA	300	80	.020
	40389	NS 722 A		RCA	60	40	5.0	.700	3.500	A	200J		.800	G	250NA	30	112	.150
	40390	NS 722 A		RCA	300	250	7.0	1.000	3.500	A	200J		8.666	G	50UA	200	80	.020
	40391	PS 722 A		RCA	60	40	7.0	1.000	3.500	A	200J		60.000	G	250NA	60	112	.150
	40392	NS 635 B		RCA	60	40	5.0	.700	7.000	C	200J		.800	G	250NA	30	112	.150
	40394	PS 635 B		RCA	60	40	7.0	1.000	7.000	C	200J		60.000	G	250NA	60	112	.150
	40395	PG 120	1	RCA	20	18R	20.0	.050	.120	A	100J		10.000	G	12UA	20		
	40397	NS 211 L		RCA		25	7.5	.200	.400	A	175J		50.000	G	100NA	25	246	.100
	40398	NS 211 L		RCA		25	7.5	.200	.400	A	175J		50.000	G	100NA	25	140	.100
	40399	NS 211 L		RCA		18	7.0	.200	.400	A	175J		50.000	G	500NA	12	246	.100
	40400	NS 211 L		RCA		18	7.0	.200	.400	A	175J		50.000	G	500NA	12	140	.100
-	40403	PG 212	5	RCA	30	20	20.0	.200	.200	A	85J		5.000	B	6UA	20	68	.010
-	40404	NS 211	52	RCA	40	16	5.0	.500	.300	A	175J		310.000	G	25NA	20	40	.050
	40405	NS 211	52	RCA	40	16	6.0	.500	.300	A	175J		300.000	G	400NA	15	40	.100
	40406	PS 211	5	RCA		50	4.0	.700	1.000	A	200J		100.000	G	1UA	40	80	.001
	40407	NS 211	5	RCA		50	4.0	.700	1.000	A	200J		100.000	G	1UA	40	90	.001
	40408	NS 211	5	RCA		90	4.0	.700	1.000	A	200J		100.000	G	1UA	80	90	.010
	40409	NS 722 A		RCA		90R	4.0	.700	3.000	A	200J		100.000	G	1UA	80	112	.150
	40410	PS 722 A		RCA		90R	4.0	.700	3.000	A	200J		100.000	G	1UA	80	112	.150
	40411	NS 605	3	RCA		90R	4.0	30.000	150.000	A	200J		800.000	G	500UA	80	60	4.000
	40412	NS 211	5	RCA		250R		1.000	1.000	A	200J		10.000	G	1MA	100	80	.030
	40412V1	NS 722 A		RCA		250R		1.000	4.000	A	200J		10.000	G	1MA	100	80	.030
	40412V2	NS 635 B		RCA		250R		1.000	10.000	A	200J		10.000	G	1MA	100	80	.030
	40413	NS 217	72	RCA	35	20	3.0		.200	A	200J		700.000	G	10NA	15	80	.002
	40414	NS 217	72	RCA	30	15	2.5		.200	A	200J		1000.000	G	10NA	15	58	.003
	40421	PG 605	3	RCA	75	50	1.5	5.000	12.500	C	100J		2.000	G	1MA	40	100	1.000
-	40422	NS 605	66	RCA	300	300X	2.0	.150	8.000	C	150J		25.000	G	100UA	300	80	.050
-	40423	NS 720 B		RCA	300	300X	2.0	.150	3.800	A	150J		25.000	G	100UA	300	80	.050
-	40424	NS 605	66	RCA	300	300X	2.0	.150	8.000	C	150J		25.000	G	100UA	300	60	.050
-	40425	NS 720 B		RCA	300	300X	2.0	.150	3.800	A	150J		25.000	G	100UA	300	60	.050
-	40426	NS 605	66	RCA	300	300X	2.0	.150	8.000	C	150J		25.000	G	100UA	300	35	.050
-	40427	NS 720 B		RCA	300	300X	2.0	.150	3.800	A	150J		25.000	G	100UA	300	35	.050
	40439	PG 605	3	RCA	320		2.0	10.000	5.000	C	85J		HOR AMP		200UA	10		
	40440	PG 605	3	RCA	200		2.0	10.000	5.000	C	85J		HOR AMP		200UA	10		
-	40444	NS 605	3	RCA	120	60	7.0	20.000	140.000	C	200J		60.000	G	20MA	40	68	2.000
	40446	SEE RF POWER SECTION																
	40450	NS 211 M		RCA	30	25	7.5		1.000	A	175J		175.000	G	100NA	25	150	.010
	40451	NS 211 M		RCA	40	40	8.0		1.000	A	175J		175.000	G	10NA	25	200	.010
	40452	NS 211 M		RCA		40	8.0	.300	1.000	A	175J		50.000	G	10NA	25	150	.010
	40453	NS 211 M		RCA		25	7.5	.200	1.000	A	175J		50.000	G	100NA	25	300	.010
-	40454	NS 211 M		RCA		25	7.5	.200	1.000	A	175J		50.000	G	100NA	25	150	.010
-	40455	NS 211 M		RCA		18	7.0	.200	1.000	A	175J		50.000	G	500NA	12	300	.010
	40456	NS 211 M		RCA		18	7.0	.200	1.000	A	175J		50.000	G	500NA	12	150	.010
	40458	NS 211	104	RCA	60	40	8.0	1.000	.500	A	175J		150.000	G	10NA	25	150	.010
	40459	NS 211 M		RCA	60	40	8.0	1.000	1.000	A	175J		150.000	G	10NA	25	150	.010
	40462	PG 605	3	RCA	40	40	5.0	5.000	12.500	C	100J		.600	G	500UA	30	90	1.000
-	40464	NS 605	3	RCA	35	35	4.0	5.000	40.000	C	150J		2.000	G	250UA	35	60	2.000
-	40465	NS 605	3	RCA	40	40	4.0	5.000	40.000	C	150J		3.000	G	100UA	40	90	2.000
-	40466	NS 605	3	RCA	50	50	4.0	5.000	40.000	C	150J		3.000	G	100UA	50	90	2.000
-	40469	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	80	.001
-	40470	NS 218	104	RCA	45		3.0	.050	.180	A	175J		700.000	G	1UA	45	80	.001
-	40471	NS 218	104	RCA	45		3.0	.050	.180	A	175J		700.000	G	1UA	45	52	.001
	40472	NS 218	104	RCA	45		3.0	.050	.180	A	175J		900.000	G	1UA	45	80	.001
-	40473	NS 218	104	RCA	45		3.0	.050	.180	A	175J		900.000	G	1UA	45	100	.001
	40474	NS 218	104	RCA	45		3.0	.050	.180	A	175J		900.000	G	1UA	45	96	.001
-	40475	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	80	.001
-	40476	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	52	.001
	40477	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	96	.001
	40478	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	80	.001
-	40479	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	80	.001
	40480	NS 218	104	RCA	45		3.0	.050	.180	A	175J		800.000	G	1UA	45	96	.001
-	40481	NS 218	104	RCA	45		3.0	.050	.180	A	175J		860.000	G	1UA	45	140	.001
-	40482	NS 218	104	RCA	45		3.0	.050	.180	A	175J		860.000	G	1UA	45	48	.001
	40487	PG 120	1	RCA	50	34X	1.5	.010	.080	A	85J		40.000	G	12UA	12	150	.001
	40488	PG 120	1	RCA	12	12X	.5	.010	.080	A	85J		30.000	G	12UA	12	80	.001
	40489	PG 120	1	RCA	50	34X	.5	.010	.080	A	85J		30.000	G	12UA	12	180	.001
	40490	PG 120	1	RCA	20	18R	2.5	.020	.120	A	100J		10.000	B	12UA	20	300	.001
-	40491	NS 720 B		RCA	300	300	2.0	.150	3.800	A	150J		25.000	G	100UA	300	60	.050
	40513	NS 981 A		RCA		45R	5.0	6.000	83.000	C	150J		1.800	G			45	2.500
	40514	NS 981 A		RCA		45R	5.0	6.000	83.000	C	150J		1.800	G			45	2.500
-	40517	NS 217	72	RCA	30	15	2.5	.040	.200	A	200J		1000.000	G	10NA	15	66	.003
-	40518	NS 217	72	RCA	30	15	2.5	.040	.200	A	200J		1000.000	G	10NA	15	66	.003
	40519	NS 211	52	RCA		16	5.0	.500	.300	A	175J		300.000	G	25NA	20	42	.003
	40537	PS 211	5	RCA		55R	5.0	.700	1.000	A	200J		100.000	G	10UA	45	125	.050
	40538	PS 211	5	RCA		55R	5.0	.700	1.000	A	200J		100.000	G	10UA	45	37	.500
	40539	NS 211	5	RCA		55R	5.0	.700	1.000	A	200J		100.000	G	10UA	45	37	.500
	40542	NS 980 A		RCA		50R	5.0	6.000	83.000	C	150J		.800	G	1MA	40	38	2.500
	40543	NS 980 A		RCA		60R	5.0	8.000	83.000	C	150J		.800	G	1MA	50	38	3.000
	40544	NS 635 B		RCA		50R	5.0	.700	7.000	C	200J		100.000	G	10UA	40	85	.050
-	40546	NS 605	66	RCA		250X	2.0	.150	8.000	H	150J		25.000	G	100UA	250	88	.050
-	40547	NS 605	66	RCA		250X	2.0	.150	8.000	H	150J		25.000	G	100UA	250	82	.050
	40577	SEE RF POWER SECTION																
	40578	SEE RF POWER SECTION																
	40581	SEE RF POWER SECTION																
	40582	SEE RF POWER SECTION																
	40594	NS 211	5	RCA		95R	4.0	2.000	1.200	A	200J		50.000	G	10UA	85	158	.300
	40595	PS 211	5	RCA		95R	4.0	2.000	1.200	A	200J		50.000	G	10UA	85	158	.300
	40605	SEE RF POWER SECTION																
	40608	NS 211	39	RCA	40	40R	2.0	.400	3.500	C	200J		700.000	G	100UA	20	65	.050
	40611	NS 211	5	RCA		25	2.5	.700	1.000	A	200J		50.000	G	500NA	15	195	.050
	40612	PG 605	3	RCA		25R	5.0	5.000	12.500	C	100J		.300	G	3UA	30	68	1.000
	40613	NS 53 A		RCA		25	5.0	4.000	36.000	C	150J		.800	G	2UA	25	60	1.000
	40616	NS 211	5	RCA		32	2.5	.700	1.000	A	200J		50.000	G	500NA	15	195	.050
	40618	NS 53 A		RCA		30	5.0	4.000	36.000	C	150J		.800	G	2UA	30	60	1.000
	40621	NS 53 A		RCA		32	5.0	4.000	36.000	C	150J		.800	G	500NA	30	50	1.500
	40622	NS 53 A		RCA		40	5.0	4.000	36.000	C	150J		.800	G	500UA	40	50	1.500
	40623	PG 605	3	RCA		45R	5.0	5.000	12.500	C	100J		.500	G	500UA	30	92	1.000
	40624	NS 53 A		RCA		45	5.0	6.000	50.000	C	150J		AUD		500UA	45	45	2.500
	40625	NS 722 B		RCA	60	40	7.0	1.000	3.500	A	200J		70.000	G	250NA	60	175	.150
	40626	PG 605	3	RCA		55R	5.0	5.000	12.500	C	100J		.500	G	500UA	30	92	1.000
	40627	NS 53 A		RCA		55K		6.000	50.000	C	150J		AUD		500UA	55	45	2.500
	40628	NS 722 B		RCA	60	55	7.0	1.000	3.500	A	200J		70.000	G	250NA	60	175	.150
	40629	NS 53 A		RCA		35R	5.0	4.000	36.000	C	150J		.800	G	500UA	30	38	1.000
	40630	NS 53 A		RCA		40R	5.0	4.000	36.000	C	150J		.800	G	500UA	35	38	1.500
	40631	NS 53 A		RCA		45R	5.0	4.000	36.000	C	150J		.800	G	500UA	40	38	2.000
	40632	NS 53 A		RCA		60R	5.0	6.000	50.000	C	150J		AUD		500UA	50	38	3.000
	40633	NS 980 A		RCA		75R	5.0	8.000	83.000	C	200J		.800	G	500UA	65	38	4.000
	40634	PS 211	5	RCA		75R	7.0	.700	1.000	A	200J		60.000	G	10UA	65	112	.150
	40635	NS 211	5	RCA		75R	7.0	.700	1.000	A	200J		100.000	G	10UA	65	112	.150
	40636	NS 605	3	RCA		95R	7.0	15.000	115.000	C	200J		AUD		500UA	85	38	4.000
	40637	NS 211	52	RCA		30S	5.0	.100	.300	A	175J		100.000	G				
	40665	SEE RF POWER SECTION																
	40666	SEE RF POWER SECTION																
	95101	SEE 2N1526																
	95102	SEE 2N1524																
	95103	SEE 2N1524																
	95107	SEE 2N1526																
	95108	SEE 2N1745																
	95109	SEE 2N501																
	95110	SEE 2N501																

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	95111			SEE 2N1865												
	95112			SEE 2N2711												
	95113			SEE 2N2712												
	95114			SEE 2N193												
	95115			SEE 2N211												
	95116			SEE 2N769												
	95117			SEE 2N769												
	95201			SEE 2N406												
	95202			SEE 2N649												
	95203			SEE 2N408												
	95204			SEE 2N270												
	95208			SEE 2N2374												
	95209			SEE 2N2376												
	95212			SEE 2N321												
	95214			SEE 2N406												
	99101			SEE 2SA84												
	99102			SEE 2SA83												
	99103			SEE 2SA83												
	99104			SEE 2SA15												
	99201			SEE 2SB75												
	99203			SEE 2SB77												
	99204			SEE 2SB89												
	406371			RCA							200J					
	A3T2221	NS 926	120	TII	60	30	5.0	.500	.225	A	150S		250.000	G	10NA	50	70	.150
	A3T2221A	NS 926	120	TII	75	40	6.0	.500	.225	A	150S		250.000	G	10NA	60	70	.150
	A3T2222	NS 926	120	TII	60	30	5.0	.500	.225	A	150S		250.000	G	10NA	50	175	.150
	A3T2222A	NS 926	120	TII	75	40	6.0	.500	.225	A	150S		300.000	G	10NA	60	175	.150
	A3T2484	NS 926	120	TII	60	60	6.0	.050	.225	A	150S		60.000	G	10NA	45	225	.001
	A3T2894	PS 926	120	TII	12	12	4.0	.200	.225	A	150S		400.000	G	80NA	6	68	.030
	A3T2906	PS 926	120	TII	60	40	5.0	.500	.225	A	150S		200.000	G	50NA	30	70	.150
	A3T2906A	PS 926	120	TII	60	60	5.0	.500	.225	A	150S		200.000	G	50NA	30	70	.150
	A3T2907	PS 926	120	TII	60	40	5.0	.500	.225	A	150S		200.000	G	50NA	30	175	.150
	A3T2907A	PS 926	120	TII	60	60	5.0	.500	.225	A	150S		200.000	G	50NA	30	175	.150
	A3T3011	NS 926	120	TII	30	30	5.0	.200	.225	A	150S		400.000	G	400NA	20	60	.010
	A3T918	NS 926	120	TII	30	15	3.0	.050	.225	A	150S		600.000	G	10NA	15	30	.003
	A3T929	NS 926	120	TII	45	45	6.0	.050	.225	A	150S		30.000	G	10NA	45	70	.001
	A3T930	NS 926	120	TII	45	45	6.0	.050	.225	A	150S		30.000	G	10NA	45	175	.001
	-A104	NS 211	18	AMP	20		4.0	.030	.300	A			30.000	G	100NA		100	
	-A106	NS 211	18	AMP	20		4.0	.030	.300	A			30.000	G	100NA		90	
	-A108	NS 211	18	AMP	20		4.0	.030	.300	A			30.000	G	100NA		180	
	-A110	NS 211	18	AMP	20		4.0	.030	.300	A			30.000	G	100NA		360	
	-A111	NS 211	18	AMP	30		4.0	.030	.300	A			30.000	G	100NA		180	
	-A115	NS 211	18	AMP	30		4.0	.030	.300	A			30.000	G	110NA		50	
	-A116	NS 211	18	AMP	30		4.0	.030	.300	A			30.000	G	100NA		110	
	-A130	NS 211	5	AMP	90		4.0		.300	A			20.000	G	500NA		20	
	A141	NS 43 A		AMP	20			.050	.030	A			150.000	G			130	.001
	A142	NS 43 A		AMP	20			.050	.030	A			150.000	G			220	.001
	A143	NS 43 A		AMP	20			.050	.030	A			150.000	G			380	.001
	A151	NS 133 A		AMP	20			.050	.030	A			150.000	G			130	.001
	A152	NS 133 A		AMP	20			.050	.030	A			150.000	G			220	.001
	A153	NS 133 A		AMP	20			.050	.030	A			150.000	G			380	.001
	A157B	NS 210	18	AMP	45		5.0	.100	.300	A			300.000	G			300	.002
	A157C	NS 210	18	AMP	45		5.0	.100		A			300.000	G			600	.002
	A158B	NS 210	18	AMP	20		5.0	.100	.300	A			300.000	G			300	.002
	A158C	NS 210	18	AMP	20		5.0	.100	.300	A			300.000	G			600	.002
	A159B	NS 210	18	AMP	20		5.0	.100	.300	A			300.000	G			300	.002
	A159C	NS 210	18	AMP	20		5.0	.100	.300	A			300.000	G			600	.002
	A177	PS 210	18	AMP	50		5.0	.200	.300	A			130.000	G			140	.002
	A178A	PS 210	18	AMP		25	5.0	.100	.300	A			130.000	G			180	.002
	A178B	PS 210	18	AMP		25	5.0	.100	.300	A			130.000	G			180	.002
	A179A	PS 210	18	AMP		25	5.0	.100	.300	A			130.000	G			180	.002
	A179B	PS 210	18	AMP		25	5.0	.100		A			130.000	G			290	.002
	A201	NS 540	60	AMP	36			1.500	11.600	A			400.000	G			3	
	A202	NS 540	60	AMP	36			3.000	23.200	A			400.000	G			3	
	A210	NS 210	39	AMP	40			.200	.700	A			1200.000	G			38	.150
	A211	NS 210	39	AMP	40			.200	.700	A			800.000	G			38	.150
	-A306	NS 210	18	AMP	25	20	5.0		.360	A	200J		100.000	G	10NA	15	140	
	-A307	NS 210	18	AMP	25	20	5.0		.360	A	200J		100.000	G	10NA	15	350	
	-A310	NS 211	5	AMP	135		3.0		.300	A			80.000	G	500NA		20	
	-A311	NS 211	5	AMP	80		3.0		.300	A			60.000	G	500NA		20	
	A321	NS 211	18	AMP	30		5.0	.030	.300	A			30.000	G	100NA	30	80	.001
	A322	NS 211	18	AMP	30		5.0	.030	.300	A			30.000	G	100NA	30	300	.001
	-A323	NS 211	18	AMP	60		6.0	.030	.300	A	175J		30.000	G	10NA	45	270	.010
	-A324	NS 211	18	AMP	60		6.0	.030	.300	A	175J		30.000	G	10NA	45	450	.010
	-A344	NS 210	18	AMP	20	15	5.0	.200	.300	A	175J		350.000	G	100NA	20	32	.100
	-A345	NS 210	18	AMP	20	15	5.0	.200	.300	A	175J		350.000	G	100NA	20	26	.100
	-A346	NS 210	18	AMP	60	15	5.0	.200	.300	A	175J		350.000	G	100NA	20	38	.100
	A415	NS 218	72	AMP	50	10		.030	.165	A			200.000	G			10	.001
	A417	NS 218	72	AMP		20	5.0	.030	.145	A			250.000	G			22	
	A418	NS 218	72	AMP		20	5.0	.030	.145	A			200.000	G			22	
	A419	NS 218	72	AMP		20	5.0	.030	.145	A			200.000	G			90	
	A420	NS 218	72	AMP		20	5.0	.030	.145	A			200.000	G			112	
	A430	NS 217	72	AMP		10	2.5	.050	.250	A			1600.000	G			12	
	A467	NS 218	72	AMP		40		.030	.150	A			235.000	G			80	
	A473	NS 218	72	AMP		40		.035	.230	A			550.000	G			100	
	A482	NS 218	72	AMP		10		.015	.130	A			675.000	G				
	A483	NS 218	72	AMP		10		.015	.130	A			600.000	G				
	A484	NS 218	72	AMP				.020	.130	A			550.000	G				
	A485	NS 217	72	AMP	30		2.5	.030	.200	A	200J		1000.000	G	10NA	15	63	.002
	A490	NS 217	72	AMP	30		2.5	.030	.200	A	200J		1000.000	G	10NA	15	70	.015
	A492	NS 217	72	AMP	30		2.5	.030	.200	A	200J		800.000	G	10NA	15	25	.002
	A496	NS 984 A		AMP		30	4.0	.025	.250	A			400.000	G				
	A497	NS 984 A		AMP		25	4.0	.025	.250	A			550.000	G				
	A580-0402	NS 605	3	WHE		50X	25.0	10.000	175.000	C	175J		.250	G	10MA	50	22	2.000
	A580-0403	NS 605	3	WHE		50X	25.0	10.000	175.000	C	175J		.250	G	10MA	50	22	3.000
	A580-0405	NS 605	3	WHE		50X	25.0	10.000	175.000	C	175J		.250	G	10MA	50	22	5.000
	A580-0802	NS 605	3	WHE		90X	25.0	10.000	175.000	C	175J		.250	G	10MA	90	22	2.000
	A580-0803	NS 605	3	WHE		90X	25.0	10.000	175.000	C	175J		.250	G	10MA	90	22	3.000
	A580-0805	NS 605	3	WHE		90X	25.0	10.000	175.000	C	175J		.250	G	10MA	90	22	5.000
	A580-1202	NS 605	3	WHE		130X	25.0	10.000	175.000	C	175J		.250	G	10MA	130	22	2.000
	A580-1203	NS 605	3	WHE		130X	25.0	10.000	175.000	C	175J		.250	G	10MA	130	22	3.000
	A580-1205	NS 605	3	WHE		130X	25.0	10.000	175.000	C	175J		.250	G	10MA	130	22	5.000
	A580-1602	NS 605	3	WHE		170X	25.0	10.000	175.000	C	175J		.250	G	10MA	170	22	2.000
	A580-1603	NS 605	3	WHE		170X	25.0	10.000	175.000	C	175J		.250	G	10MA	170	22	3.000
	A580-1605	NS 605	3	WHE		170X	25.0	10.000	175.000	C	175J		.250	G	10MA	170	22	5.000
	A580-1802	NS 605	3	WHE		190X	25.0	10.000	175.000	C	175J		.250	G	10MA	190	22	2.000
	A580-1803	NS 605	3	WHE		190X	25.0	10.000	175.000	C	175J		.250	G	10MA	190	22	3.000
	A580-1805	NS 605	3	WHE		190X	25.0	10.000	175.000	C	175J		.250	G	10MA	190	22	5.000
	A580-2002	NS 605	3	WHE		210X	25.0	10.000	175.000	C	175J		.250	G	10MA	210	22	2.000
	A580-2003	NS 605	3	WHE		210X	25.0	10.000	175.000	C	175J		.250	G	10MA	210	22	3.000
	A580-2005	NS 605	3	WHE		210X	25.0	10.000	175.000	C	175J		.250	G	10MA	210	22	5.000
	A580-2202	NS 605	3	WHE		230X	25.0	10.000	175.000	C	175J		.250	G	10MA	230	22	2.000
	A580-2203	NS 605	3	WHE		230X	25.0	10.000	175.000	C	175J		.250	G	10MA	230	22	3.000
	A580-2205	NS 605	3	WHE		230X	25.0	10.000	175.000	C	175J		.250	G	10MA	230	22	5.000
	A580-2402	NS 605	3	WHE		250X	25.0	10.000	175.000	C	175J		.250	G	10MA	250	22	2.000
	A580-2403	NS 605	3	WHE		250X	25.0	10.000	175.000	C	175J		.250	G	10MA	250	22	3.000
	A580-2405	NS 605	3	WHE		250X	25.0	10.000	175.000	C	175J		.250	G	10MA	250	22	5.000
	-A667-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	350	
	-A667-ORG	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	136	
	-A667-RED	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	76	
	-A667-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	224	
	-A668-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	350	
	-A668-ORG	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	136	
	-A668-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	224	
	-A669-GRN	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	350	
	-A669-YEL	NS 45	98	GEC	18	18	5.0	.100	.200	A	100J				500NA	18	224	
	A747	NS 985 A		AMP	45		5.0	.100	.300	A			250.000	G			250	.010
	A748	NS 985 A		AMP	20		5.0	.100	.300	A			250.000	G			10	.002
	A749	NS 985 A		AMP	20		5.0	.100	.300	A			95.000	G			300	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.			I_{CBO} @ V_{CB}		h_{FE} @ Ic(A)	
	A757	PS 985 A		AMP	50		5.0	.200	.220 A		130.000	G			140	
	A758	PS 985 A		AMP		25	5.0	.100	.220 A		130.000	G			200	
	A759	PS 985 A		AMP		20	5.0	.100	.220 A		130.000	G			200	
	A777	NS 211	5	AMP	85		5.0	.050	.600 A		120.000	G			20	
	A778	NS 211	5	AMP	145		5.0	.050	.600 A		120.000	G			20	
	A779	NS 211	5	AMP	200		5.0	.050	.600 A		120.000	G			20	
-	A1238	NS 210	18	AMP	30	20	5.0		.360 A	200J	50.000	G	20NA	30	200	
	A1243			SEE 2N3399												
-	A1379	NS 210	18	AMP	30	25	5.0	.030	.600 A	175J	20.000	G	10NA	5	60	
-	A1380	NS 210	18	AMP	30	25	5.0	.030	.600 A	175J	20.000	G	10NA	5	200	
	A1383	PG 217	12	AMP	32	15	1.2	.030	.120 A	90J	40.000	G	3UA	10	100	.001
-	A1384	PG 210	39	AMP	32	32		.030	.120 A	90J	80.000	G	3UA	10	70	.001
	AA1	PG 120	1	WTV							CON					
	AA2	NS 210	5	WTV							CON					
	AA3	PG 75	7	WTV							RF AMP					
	AA4	PG 605	3	WTV							AUD					
	AA5	PG 405	39	WTV							AUD					
	AC105			SEE AC117												
	AC106			SEE AC117												
	AC107	PG 55 A		AMP,RAD	15	5	5.0	.005	.080 A	75J	2.000	B	3UA	5	60	
	AC116	PG 210 D		TFK	30	18	12.0	.100	.225 C	90J	.015	B	4UA	6	85	
	AC117	PG 210 D		TFK	32	18	10.0	2.000	1.100 C	90J	.010	B	6UA	6	120	.050
	AC121	PG 120	1	SIH	20	20	10.0	.300	.920 A	90J	1.500	G	25UA	20	92	.100
	AC122-GRN	PG 210 C		TFK	30	18	12.0	.200	.090 A	90J	.015	B	5UA	6	114	.002
	AC122-RED	PG 210 C		TFK	30	18	12.0	.200	.090 A	90J	.015	B	5UA	6	52	.002
	AC122-VIO	PG 210 C		TFK	30	18	12.0	.200	.090 A	90J	.015	B	5UA	6	166	.002
	AC122-WHT	PG 210 C		TFK	30	18	12.0	.200	.090 A	90J	.015	B	5UA	6	230	.002
	AC122-YEL	PG 210 C		TFK	30	18	12.0	.200	.090 A	90J	.015	B	5UA	6	76	.002
	AC122/30-GRN	PG 210 C		TFK	45	32	12.0	.200	.090 A	90J	.015	B	5UA	6	114	.002
	AC122/30-RED	PG 210 C		TFK	45	32	12.0	.200	.090 A	90J	.015	B	5UA	6	52	.002
	AC122/30-VIO	PG 210 C		TFK	45	32	12.0	.200	.090 A	90J	.015	B	5UA	6	166	.002
	AC122/30-WHT	PG 210 C		TFK	45	32	12.0	.200	.090 A	90J	.015	B	5UA	6	230	.002
	AC122/30-YEL	PG 210 C		TFK	45	32	12.0	.200	.090 A	90J	.015	B	5UA	6	76	.002
	AC123	PG 210 D		TFK	45	32	12.0	.100	.225 C	90J	.015	B	4UA	6	85	
	AC124	PG 210 D		TFK	45	32	10.0	2.000	1.100 C	90J	.011	B	8UA	6	46	
	AC125	PG 170 A		RAD	32	32		.200	.500 A	75J	1.700	B			130	
	AC126	PG 170 A		RAD	32	32		.200	.500 A	75J	2.300	B			220	
	AC127	NG 170 A		RAD	32	32	10.0	.200	.500 A	75J	1.700	G	10UA	1	130	.500
	AC128	PG 170 A		RAD	32	32		1.000	.650 A	90J	1.500	B			90	
-	AC129	PG 901 A		TFK	9	6	5.0		.030 A	60J	AUD		800NA	2	30	
	AC130	NG 170 A		RAD	20	15		.100	.145 A	90J	2.000	B			50	
	AC131	PG 210 C		TFK	30	18	10.0	2.000	.750 A	90J	.010	B	6UA	6	120	.150
	AC131/30	PG 210 C		TFK	45	32	10.0	2.000	.750 C	90J	.010	B	8UA	30	120	.150
	AC132	PG 170 A		RAD	32	32		.200	.500 A	75J	2.000	B			150	
	AC150-GRN	PG 210 C		TFK	30	18	12.0		.060 A	75J	.015	B	5UA	6	110	.001
	AC150-YEL	PG 210 C		TFK	30	18	12.0		.060 A	75J	.015	B	5UA	6	74	.001
	AC151	PG 120	1	SIH	32	24	10.0	.200	.900 A	90J	1.500	G	25UA	32	47	.002
	AC151R	PG 120	1	SIH	32	24	10.0	.200	.900 A	90J	1.500	G	25UA	32	47	.002
	AC152	PG 120	1	SIH	32	24	10.0	.500	.900 A	90J	1.500	G	25UA	32	68	.100
	AC153	PG 120	1	SIH	32	32X	10.0	1.000	1.000 A	90J	1.500	G	10UA	10	112	.300
	AC153K	PG 210 K		SIH	32	32X	10.0	1.000	1.000 A	90J	1.500	G	10UA	10	112	.300
	AC160-GRN	PG 210 C		TFK	15	10	10.0		.030 A	75J	.050	B	500NA	5	110	.001
	AC160-RED	PG 210 C		TFK	15	10	10.0		.030 A	75J	.050	B	500NA	5	50	.001
	AC160-VIO	PG 210 C		TFK	15	10	10.0		.030 A	75J	.050	B	500NA	5	184	.001
	AC160-YEL	PG 210 C		TFK	15	10	10.0		.030 A	75J	.050	B	500NA	5	76	.001
	AC162	PG 120	1	SIH	32	24	10.0	.200	.900 A	90J	1.700	G	25UA	32	93	.002
	AC163	PG 120	1	SIH	32	24	10.0	.200	.900 A	90J	2.300	G	25UA	32	125	.002
	AC170	PG 210 C		TFK	32	15		.200	.090 A	90J	.017	B	10UA	10	124	.002
	AC171	PG 210 C		TFK	32	15		.200	.090 A	90J	.017	B	10UA	10	210	.002
	AC175	NG 210 D		TFK	25	18	10.0	2.000	1.100 C	90J	.020	B	10UA	6	150	.300
	AC176	NG 120	1	SIH	32	18	10.0	1.000	1.000 A	90J	3.000	G	35UA	10	112	.300
	AC176K	NG 210 K		SIH	32	18	10.0	1.000	1.000 A	90J	3.000	G	35UA	10	112	.300
	AC178	PG 210 D		TFK	30	18	10.0	1.200	1.100 C	90J	.010	B	6UA	6	185	.150
	AC179	NG 210 D		TFK	20	15	10.0	1.200	1.100 C	90J	.020	B	10UA	6	185	.150
	AC186	NG 210 C		TFK	30	18	10.0	1.200	.750 C	90J	.020	B	10UA	6	120	.150
	AC187/01	NG 120	1	PHI	32	20		1.000	1.000 A		AUD	G			325	.500
	AC187K	NG 210 K		SIH	25	15	10.0	1.000	1.000 A	90J	5.000	G	35UA	10	225	.300
	AC188/01	PG 120	1	PHI	32	20		1.000	1.000 A		AUD	G			325	.500
	AC188K	PG 210 K		SIH	25	15	10.0	1.000	1.000 A	90J	1.500	G	15UA	10	225	.300
	ACY16	PG 210 D		TFK	45	30	10.0	1.000	.800 C	85J	.010	B	8UA	30	60	.300
	ACY23	PG 120	1	SIH	32	30	16.0	.200	.150 A	90J	1.500	G	10UA	10	88	.001
	ACY24	PG 210 D		TFK	70	40	30.0	.750	.530 C	90J	.009	B	12UA	25	42	.150
	ACY32	PG 120	1	SIH	32	30	16.0	.200	.150 A	90J	1.500	G	10UA	10	88	.001
	ACY33	PG 120	1	SIH	32	32R	10.0	1.000	1.100 C	90J	1.500	G	10UA	10	163	.300
-	AC750	PG 55 F		TFK	70	50	30.0	.300	.440 C	75J			25UA	6		
	AD130	PG 605	3	SIH	32	30	10.0	3.000	30.000 C	90J	.350	G	1MA	32	45	1.000
	AD131	PG 605	3	SIH	64	45	20.0	3.000	30.000 C	90J	.350	G	1MA	64	45	1.000
	AD132	PG 605	3	SIH	80	60	20.0	3.000	30.000 C	90J	.350	G	1MA	80	45	1.000
	AD133	PG 609 A		SIH	50	32	10.0	15.000	36.000 C	100J	.300	G	1MA	50	45	5.000
	AD136	PG 170	8	SIH	40	30	10.0	10.000	11.000 C	100J	.300	G	1MA	40	68	5.000
	AD138	PG 605	3	TFK	40	30	10.0	15.000	30.000 C	90J	.005	B	100UA	30	42	5.000
	AD139	PG 605 F		TFK	32	16	10.0	3.000	11.000 C	90J	.010	B	100UA	10	48	1.000
	AD148	PG 605 A		SIH	32	32X	10.0	.350	13.500 C	100J	.450	G	1MA	32	55	1.000
	AD149	PG 605	3	TFK,SIH	50	50X	20.0	3.500	22.500 C	100J	.500	G	150UA	50	43	3.000
	AD150	PG 605	3	SIH	32	30	10.0	3.500	27.500 C	100J	.450	G	1MA	32	55	1.000
	AD152	PG 605 F		TFK	45	30	12.0	2.000	6.000 C	90J	.011	B	6UA	6	85	.300
	AD155	PG 605 F		TFK	25	15	12.0	2.000	6.000 C	90J	.011	B	6UA	6	120	.300
	AD159	PG 171	8	TFK	40	25	10.0	8.000	9.000 C	90J	.008	B	800UA	40	48	5.000
	AD160	PG 171	8	TFK	40	30	10.0	10.000	9.000 C	90J	.008	B	800UA	40	105	5.000
	AD161	NG 605 A		SIH	32	20	10.0	1.000	4.000 C	90J	3.000	G	50UA	20	138	.500
	AD162	PG 605 A		SIH	32	20	10.0	1.000	6.000 C	90J	1.500	G	40UA	20	138	.500
	AD163	PG 605	3	SIH	100	80	20.0	3.000	30.000 C	90J	.350	G	1MA	100	38	1.000
	ADY26	PG 405	36	RAD	80	60	50.0	25.000	80.000 C	90J	.100	B			30	
	ADY27	PG 605	3	SIH	32	30	10.0	3.500	27.500 C	100J	.450	G	500UA	32	55	1.000
	ADZ11	PG 405	36	RAD,MUL	50	40	30.0	20.000	80.000 C	90J	.100	B			35	
	ADZ12	PG 405	36	RAD,MUL	80	60	50.0	15.000	80.000 C	90J	.100	B			25	
-	AF101	PG 55 D		TFK	20	12	8.0		.075 A	75J	9.000	G	1UA	6	50	
	AF102			SEE 2N2494												
-	AF105	PG 55 D		TFK	25	12	.8		.075 A	75J	22.000	G	2UA	6	60	
	AF106	PG 217	72	TFK,SIH	25	18	.3		.060 A	90J	220.000	G	500NA	12	65	.001
	AF109R	PG 217	72	SIH	20	15	.3	.010	.060 A	90J	220.000	G	8UA	20	50	.002
	AF114			SEE 2N2089												
	AF115			SEE 2N2089												
	AF116			SEE 2N2092												
	AF117			SEE 2N2092												
	AF118	PG 75	7	SIH	70		.5	.030	.375 A	75J	175.000	G	6UA	6	180	.010
	AF124	PG 218	72	SIH	32		1.0	.010	.060 A	75J	75.000	G	8UA	6	140	.001
	AF125	PG 218	72	SIH	32		1.0	.010	.060 A	75J	75.000	G	8UA	6	140	.001
	AF126	PG 218	72	SIH	32		1.0	.010	.060 A	75J	75.000	G	8UA	6	140	.001
	AF127	PG 218	72	SIH	32		1.0	.010	.060 A	75J	75.000	G	8UA	6	140	.001
-	AF128	PG 901 A		TFK	9	6	5.0		.150 A	60J	6.000	B	800NA	2	40	
	AF134	PG 217 B		TFK	25	15	.7		.150 A	75J	55.000	G	2UA	6	110	
	AF135	PG 217 B		TFK	25	15	.7		.150 A	75J	50.000	G	3UA	6	100	
	AF136	PG 217 B		TFK	25	15	.7		.150 A	75J	28.000	G	3UA	6	80	
	AF137	PG 217 B		TFK	25	15	.7		.150 A	75J	20.000	G	3UA	6	60	
	AF138	PG 217 B		TFK	25	15	.7		.150 A	75J	20.000	G	2UA	6	80	
	AF139	PG 217	72	TFK,MOT,SIH	20	15	.3	.008	.060 A	90J	500.000	G	700NA	20	50	.001
	AF180			SEE 2N3074												
	AF181			SEE 2N3075												
	AF200	PG 218 E		SIH	25		.3	.010	.225 A	90J	1500.000	G	10UA	12	85	.003
	AF201	PG 218 E		SIH	25		.3	.010	.225 A	90J	1000.000	G	10UA	12	85	.003
	AF202	PG 218 E		SIH	25		.3	.030	.225 A	90J	1000.000	G	10UA	12	85	.003
	AF202S	PG 218 E		SIH	32		.3	.030	.225 A	90J	1000.000	G	10UA	12	85	.003
	AF239	PG 217	72	MOT,SIH	20	15	.3	.010	.060 A	100J	600.000	G	8UA	20	40	.002
	AF239S	PG 217	72	SIH		20S	.3	.010	.060 A	90J	780.000	G	8UA	20	50	.002
	AF240	PG 217	72	SIH		20S	.3	.010	.060 A	90J	500.000	G	8UA	20	25	.002
	AF279	PG 906 A		SIH		20S	.3	.010	.060 A	90J	780.000	G	15UA	20	50	.002
	AF280	PG 906 A		SIH		20S	.3	.010	.060 A	90J	550.000	G	15UA	20	25	.002
	AFY11	PG 211	39	SIH	30	15	1.0	.070	.560 A	90J	350.000	G	18UA	15	60	.010

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff			Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @	V_{CB}		h_{FE} @	I_C(A)
	AFY12	PG 217	72	TFK, SIH	25	18	.5	.010	.060	A	90J		230.000	G	700NA	25	46	.001
	AFY14	PG 210 D		TFK	40	20	.6	.250	.200	A	85J		60.000	G	2UA	6	40	.200
	AFY15	PG 210 C		TFK	22	12	8.0	.050	.065	A	85J		16.000	G	2UA	22	80	.001
	AFY16	PG 217	72	TFK, SIH	30	20	.5	.008	.060	A	90J		500.000	G	700NA	20	90	.005
	AFY18	PG 211	39	SIH	30	15	.7	.100	.560	A	90J		600.000	G	10UA	15	190	.010
	AFY19	PG 210	5	RAD	34	34		.010	2.000	A	90J						80	
	AFY37	PG 217	72	SIH	32		.3	.020	.112	A	90J		600.000	G	10UA	20	40	.002
	AFY39	PG 218	72	SIH	32		.3	.030	.225	A	90J		500.000	G	10UA	12	85	.003
	AFY42	PG 217	72	SIH	30	25	.3	.010	.112	A	90J		700.000	G	30UA	20	50	.002
-	AFZ10	PG 55 F		TFK	40	30	.7	.100	.150	C	75J		50.000	G				
	AFZ12	PG 217	72	RAD	20	20	.5	.010	.083	A	75J		180.000	B			60	
	ALZ10	PG 698 A		TFK	50	28	.6	.500	.500	C	75J		40.000	G	2UA	6	90	
	AMF101	NS 731	53	AMF	30	30S	.5	4.000	85.000	C	200J		1.000	B	2MA	15	30	
	AMF102	NS 731	53	AMF	60	60S	.5	4.000	85.000	C	200J		1.000	B	1MA	15	30	
	AMF103	NS 731	53	AMF	100	100S	.5	4.000	85.000	C	200J		1.000	B	1MA	15	30	
	AMF104	NS 605	3	AMF	30	30S	.5	4.000	75.000	C	200J		1.000	B	2MA	15	30	
	AMF105	NS 605	3	AMF	60	60S	.5	4.000	75.000	C	200J		1.000	B	1MA	15	30	
	AMF106	NS 605	3	AMF	100	100S	.5	4.000	75.000	C	200J		1.000	B	1MA	15	30	
	AMF107	NS 561	61	AMF	30	30S	.5	4.000	85.000	C	200J		1.500	B	2MA	15	34	
	AMF108	NS 561	61	AMF	60	60S	.5	4.000	85.000	C	200J		1.500	B	1MA	15	34	
	AMF109	NS 561	61	AMF	100	100S	.5	4.000	85.000	C	200J		1.500	B	1MA	15	34	
	AMF110	NS 561	61	AMF	60	60S	.5	4.000	85.000	C	200J		1.500	B	1MA	15	34	
	AMF111	NS 561	61	AMF	60	60S	.5	7.500	85.000	C	200J		1.500	B	1MA	15	34	
	AMF112	NS 731	53	AMF	60	60S	.5	7.500	85.000	C	200J		1.000	B	1MA	15	30	
	AMF113	NS 731	53	AMF	60	60S	.5	7.500	85.000	C	200J		1.000	B	1MA	15	30	
	AMF114	NS 561	61	AMF	60	60S	.5	7.500	85.000	C	200J		1.500	B	1MA	15	34	
	AMF115	NS 605	3	AMF	60	60S	.5	7.500	75.000	C	200J		1.000	B	1MA	15	30	
	AMF116	NS 605	3	AMF	60	60S	.5	7.500	75.000	C	200J		1.000	B	1MA	15	30	
	AMF117	NS 605	3	AMF	55	55S	.5	4.000	75.000	C	200J		1.000	B	10MA	55	30	
	AMF117A	NS 605	3	AMF	55	55S	.5	4.000	75.000	C	200J		1.000	B	10MA	55	30	
	AMF118	NS 605	3	AMF	45	45S	.5	4.000	75.000	C	200J		1.000	B	10MA	45	30	
	AMF118A	NS 605	3	AMF	45	45S	.5	4.000	75.000	C	200J		1.000	B	10MA	45	30	
	AMF119	NS 605	3	AMF	35	35S	.5	4.000	75.000	C	250J		1.000	B	10MA	35	30	
	AMF119A	NS 605	3	AMF	35	35S	.5	4.000	75.000	C	250J		1.000	B	10MA	35	30	
	AMF120	NS 605	3	AMF	25	25S	.5	4.000	75.000	C	200J		1.000	B	10MA	25	30	
	AMF120A	NS 605	3	AMF	25	25S	.5	4.000	75.000	C	200J		1.000	B	10MA	25	30	
	AMF121	NS 731	53	AMF	55	55S	.5	4.000	85.000	C	200J		1.000	B	10MA	55	30	
	AMF121A	NS 731	53	AMF	55	55S	.5	4.000	85.000	C	200J		1.000	B	10MA	55	30	
	AMF122	NS 731	53	AMF	45	45S	.5	4.000	85.000	C	200J		1.000	B	10MA	45	30	
	AMF122A	NS 731	53	AMF	45	45S	.5	4.000	85.000	C	200J		1.000	B	10MA	45	30	
	AMF123	NS 731	53	AMF	35	35S	.5	4.000	85.000	C	200J		1.000	B	10MA	35	30	
	AMF123A	NS 731	53	AMF	45	45S	.5	4.000	85.000	C	200J		1.000	B	10MA	45	30	
	AMF124	NS 731	53	AMF	25	25S	.5	4.000	85.000	C	200J		1.000	B	10MA	45	30	
	AMF124A	NS 731	53	AMF	25	25S	.5	4.000	85.000	C	200J		1.000	B	10MA	45	30	
	AMF201	NS 605	3	AMF	30	30S	.5	13.000	85.000	C	160J		1.000	B	3MA	15	20	
	AMF201B	NS 605	3	AMF	80	80S	.5	13.000	85.000	C	160J		1.000	B	3MA	30	20	
	AMF201C	NS 605	3	AMF	100	100S	.5	13.000	85.000	C	160J		1.000	B	3MA	30	20	
	AMF201D	NS 605	3	AMF	130	130S	.5	13.000	85.000	C	160J		1.000	B	3MA	30	20	
	AMF201E	NS 605	3	AMF	150	150S	.5	13.000	85.000	C	160J		1.000	B	3MA	30	20	
	AMF210	NS 605	3	AMF	30	30S	.5	8.000	80.000	C	175J		1.500	B	2MA	15	20	
	AMF210A	NS 605	3	AMF	60	60S	.5	8.000	80.000	C	175J		1.500	B	2MA	30	20	
	AMF210B	NS 605	3	AMF	100	100S	.5	8.000	80.000	C	175J		1.500	B	2MA	30	20	
	AMF210C	NS 605	3	AMF	150	150S	.5	8.000	80.000	C	175J		1.500	B	2MA	30	20	
	AMF227	NS 412	82	AMF	30	30S	.5	7.500	175.000	C	150J		.020	E	20MA	5	20	
	AMF227A	NS 412	82	AMF	60	60S	.5	7.500	175.000	C	150J		.020	E	20MA	60	20	
	AMF227B	NS 412	82	AMF	100	100S	.5	7.500	175.000	C	150J		.020	E	20MA	100	20	
	AMF227C	NS 412	82	AMF	150	150S	.5	7.500	175.000	C	150J		.020	E	20MA	150	20	
	AMF228	NS 412	82	AMF	30	30S	.5	7.500	175.000	C	150J		.020	E	20MA	30	20	
	AMF228A	NS 412	82	AMF	60	60S	.5	7.500	175.000	C	150J		.020	E	20MA	60	20	
	AMF228B	NS 412	82	AMF	100	100S	.5	7.500	175.000	C	150J		.020	E	20MA	100	20	
	AMF228C	NS 412	82	AMF	150	150S	.5	7.500	175.000	C	150J		.020	E	20MA	150	20	
	AMF229	NS 412	82	AMF	30	30S	.5	4.000	175.000	C	150J		.020	E	20MA	30	20	
	AMF229A	NS 412	82	AMF	60	60S	.5	4.000	175.000	C	150J		.020	E	20MA	60	20	
	AMF229B	NS 412	82	AMF	100	100S	.5	4.000	175.000	C	150J		.020	E	20MA	100	20	
	AMF229C	NS 412	82	AMF	150	150S	.5	4.000	175.000	C	150J		.020	E	20MA	150	20	
	ASY23	PG 210	5	RAD	80	60	20.0	.300	.180	A	75J		.700	B			50	
	ASY24	PG 210 C		TFK	50	25	.7	.250	.065	A	85J		22.000	G	2UA	6	66	.200
	ASY24B	PG 210 C		TFK	35	20	.6	.250	.065	A	85J		22.000	G	3UA	35	65	.200
	ASY26	PG 210	5	RAD, SIH, TFK	30	25	20.0	.100	.125	A	75J		4.000	B	2UA	5	30	.100
	ASY27	PG 210	5	RAD, SIH, TFK	25	20	20.0	.100	.125	A	75J		6.000	B	2UA	5	50	.100
	ASY28	NG 210	5	RAD, TFK	30	25	20.0	.100	.125	A	75J		4.000	B	2JA	5	30	.100
	ASY29	NG 210	5	RAD, TFK	25	20	20.0	.100	.125	A	75J		6.000	B	2UA	5	50	.100
	ASY30	PG 210 D		TFK	50	25	.7	.250	.200	C	85J		22.000	G	2UA	6	66	.200
	ASY48	PG 120	1	SIH	64	45	16.0	.300	.900	A	90J		1.200	G	18UA	64	68	.100
	ASY70	PG 120	1	SIH	32	30	16.0	.300	.900	A	90J		1.500	G	18UA	32	68	.100
	ASZ15	PG 605	3	RAD	80	60	40.0	8.000	43.000	C	90J		.250	B			32	
	ASZ16	PG 605	3	RAD	60	48	20.0	8.000	43.000	C	90J		.250	B			90	
	ASZ17	PG 605	3	RAD	60	48	20.0	8.000	43.000	C	90J		.250	B			50	
	ASZ18	PG 605	3	RAD	80	60	40.0	8.000	43.000	C	90J		.250	B			70	
	ASZ21	PG 210	18	RAD	20	15	2.5	.030	.100	A	75A		300.000	B			30	
	AT10H	PG 210	5	SEM	15	10	6.0	.100	.100	A			.500	G			100	
	AT10M	PG 210	5	SEM	15	10	6.0	.100	.100	A			.500	G			50	
	AT10N	PG 210	5	SEM	15	10	6.0	.100	.100	A			.500	G			30	
	AT20H	PG 210	5	SEM	25	15	10.0	.200	.200	A			1.000	G			150	
	AT20M	PG 210	5	SEM	25	15	10.0	.200	.200	A			1.000	G			70	
	AT20N	PG 210	5	SEM	25	15	10.0	.200	.200	A			1.000	G			40	
	AT30H	PG 210	5	SEM	45	20	20.0	.400	.250	A			.500	G			150	
	AT30M	PG 210	5	SEM	45	20	20.0	.400	.250	A			.500	G			70	
	AT30N	PG 210	5	SEM	45	20	20.0	.400	.250	A			.500	G			40	
	AT100H	PG 210	5	SEM	40	30	15.0	1.000	20.000	C			.200	G			75	
	AT100M	PG 210	5	SEM	40	30	15.0	1.000	20.000	C			.200	G			50	
	AT100N	PG 210	5	SEM	40	30	15.0	1.000	20.000	C			.200	G			30	
	AUY10	PG 605	3	RAD	70	60	1.5	.700	12.500	A	75J		120.000	B			80	
	AUY18	PG 170	8	SIH	64	45	20.0	8.000	11.000	C	100J		.300	G	1MA	64	38	5.000
	AUY19	PG 605	3	SIH	64	45	20.0	3.000	30.000	C	90J		.350	G	500UA	64	45	1.000
	AUY20	PG 605	3	SIH	80	60	20.0	3.000	30.000	C	90J		.350	G	500UA	80	45	1.000
	AUY21	PG 609 A		SIH	65	45	20.0	1.000	36.000	C	100J		.300	G	1MA	65	28	5.000
	AUY22	PG 609 A		SIH	80	60	20.0	8.000	36.000	C	100J		.300	G	1MA	80	28	5.000
	AUY28	PG 605	3	TFK	90	65	25.0	10.000	30.000	C	90J		.250	G	250UA	75	33	5.000
	AUY29	PG 609 A		SIH	50	32	10.0	15.000	36.000	C	100J		.300	G	1MA	50	45	5.000
	AUY34	PG 605	3	SIH	100	80	20.0	3.000	30.000	C	90J		.350	G	1MA	100	38	1.000
	B1013			SEE 2N2282														
	B1013A			SEE 2N2283														
	B1274			SEE 2N2291														
	B1274A			SEE 2N2292														
	B1274B			SEE 2N2293														
-	B3456	NS 561	61	BEN	100	60	6.0	10.000	25.000	C	200J		200.000	G	25UA	15	60	5.000
-	B3458	NS 210	5	BEN	100	60	6.0	5.000	7.500	C	200J		200.000	G	25UA	15	60	5.000
-	B3459	NS 561	61	BEN	80	40	8.0	10.000	25.000	C	200J		200.000	G	5UA	30	80	1.000
-	B3459A	NS 561	61	BEN	100	60	8.0	10.000	25.000	C	200J		200.000	G	5UA	30	80	1.000
	B3460			SEE 2N4225														
	B3461			SEE 2N4226														
-	B3465	NS 210	5	BEN	100	60	6.0	3.000	5.000	C	175J		200.000	G	100NA	30	80	1.000
-	B3466	NS 540 B		BEN	100	60	6.0	3.000	5.000	C	175J		200.000	G	100NA	30	80	1.000
-	B3531	NS 211	5	BEN	80	40	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	36	1.000
-	B3532	NS 211	5	BEN	100	80	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	36	1.000
-	B3533	NS 211	5	BEN	80	40	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	70	1.000
-	B3534	NS 211	5	BEN	100	80	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	70	1.000
-	B3535	NS 211	5	BEN	80	40	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	200	1.000
-	B3536	NS 211	5	BEN	100	80	8.0	5.000	4.000	H	200J		30.000	G	1UA	60	200	1.000
-	B3537	NS 211	5	BEN	60	50	5.0	5.000	4.000	H	200J		40.000	G	1UA	30	36	1.000
-	B3538	NS 541 B		BEN	60	40	5.0	.600	10.000	C	200J		40.000	G	2UA	60	50	.150
-	B3539	NS 541 B		BEN	120	70	5.0	.600	10.000	C	200J		50.000	G	1UA	30	50	.150
-	B3540	NS 541 B		BEN	60	40	5.0	.600	10.000	C	200J		50.000	G	1UA	30	36	.150
-	B3541	NS 541 B		BEN	60	40	5.0	.600	10.000	C	200J		50.000	G	1UA	30	70	.150
-	B3542	NS 541 B		BEN	60	40	5.0	.600	10.000	C	200J		50.000	G	1UA	30	160	.150
-	B3543	NS 541 B		BEN	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA	30	36	.150
-	B3544	NS 541 B		BEN	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA	30	70	.150
-	B3545	NS 541 B		BEN	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA	30	160	.150

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. Temp. (°C) Cond.			I_{CBO} @	V_{CB}	h_{FE} @	I_C(A)
	-B3546	NS 541 B		BEN	120	80	5.0	.600	10.000 C	200J	50.000	G	2UA	60	36	.150
	-B3547	NS 561	59	BEN	60	40	8.0	5.000	30.000 H	200J			1UA	60	36	1.000
	-B3548	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J			1UA	80	36	1.000
	-B3549	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J			1UA	100	36	1.000
	-B3550	NS 561	59	BEN	60	40	8.0	5.000	30.000 H	200J			1UA	60	70	1.000
	-B3551	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J			1UA	80	70	1.000
	-B3552	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J			1UA	100	70	1.000
	-B3553	NS 561	59	BEN	60	40	8.0	5.000	30.000 H	200J			1UA	60	160	1.000
	-B3554	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J			1UA	80	160	1.000
	-B3555	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J			1UA	100	160	1.000
	-B3556	NS 561	59	BEN	90	60	8.0	5.000	20.000 H	200J	20.000	G	100NA	60	70	1.000
	-B3557	NS 561	59	BEN	120	80	8.0	5.000	20.000 H	200J	20.000	G	100NA	60	70	1.000
	-B3558	NS 561	59	BEN	150	100	8.0	5.000	20.000 H	200J	20.000	G	100NA	60	70	1.000
	-B3559	NS 561	59	BEN	60	40	7.0	5.000	30.000 H	200J	30.000	G	100NA	30	36	1.000
	-B3560	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J	30.000	G	100NA	60	36	1.000
	-B3561	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J	30.000	G	100NA	60	36	1.000
	-B3562	NS 561	59	BEN	60	40	7.0	5.000	30.000 H	200J	40.000	G	100NA	30	70	1.000
	-B3563	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J	40.000	G	100NA	60	70	1.000
	-B3564	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J	40.000	G	100NA	60	70	1.000
	-B3565	NS 561	59	BEN	60	40	7.0	5.000	30.000 H	200J	50.000	G	100NA	30	176	1.000
	-B3566	NS 561	59	BEN	80	60	8.0	5.000	30.000 H	200J	50.000	G	100NA	60	176	1.000
	-B3567	NS 561	59	BEN	100	80	8.0	5.000	30.000 H	200J	50.000	G	100NA	60	176	1.000
	-B3568	NS 541 B		BEN	120	80	5.0	.600	10.000 C	200J	50.000	G	2UA	60	70	.150
	-B3569	NS 541 B		BEN	120	80	5.0	.600	10.000 C	200J	50.000	G	2UA	60	160	.150
	-B3570	NS 541 B		BEN	80	40	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3571	NS 541 B		BEN	100	80	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3572	NS 541 B		BEN	80	40	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3573	NS 541 B		BEN	100	80	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3574	NS 541 B		BEN	80	40	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3575	NS 541 B		BEN	100	80	8.0	5.000	10.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3576	NS 541 B		BEN	60	40	5.0	5.000	10.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3577	NS 561	59	BEN	100	50	5.0	5.000	40.000 H	200J	30.000	G	1UA	60	20	1.000
	-B3578	NS 561	59	BEN	80	40	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3579	NS 561	59	BEN	100	80	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3580	NS 561	59	BEN	80	40	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3581	NS 561	59	BEN	100	80	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3582	NS 561	59	BEN	80	40	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3583	NS 561	59	BEN	100	80	8.0	5.000	40.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3584	NS 561	59	BEN	60	40	5.0	5.000	40.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3585	NS 561	61	BEN	60	40	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3586	NS 561	61	BEN	80	60	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3587	NS 561	61	BEN	100	80	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	36	1.000
	-B3588	NS 561	61	BEN	60	40	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3589	NS 561	61	BEN	80	60	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3590	NS 561	61	BEN	100	80	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	70	1.000
	-B3591	NS 561	61	BEN	60	40	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3592	NS 561	61	BEN	80	60	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3593	NS 561	61	BEN	100	80	8.0	5.000	30.000 H	200J	30.000	G	1UA	60	160	1.000
	-B3594	NS 211	5	BEN	60	40	5.0	10.000	5.000 H	200J	30.000	G	1UA	60	70	5.000
	-B3595	NS 211	5	BEN	80	60	5.0	10.000	5.000 H	200J	30.000	G	1UA	60	70	5.000
	-B3596	NS 211	5	BEN	100	80	5.0	10.000	5.000 H	200J	30.000	G	1UA	60	70	5.000
	-B3597	NS 211	5	BEN	60	40	5.0	10.000	5.000 H	200J	15.000	G	1UA	30	36	5.000
	-B3598	NS 211	5	BEN	80	60	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	36	5.000
	-B3599	NS 211	5	BEN	100	80	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	36	5.000
	-B3600	NS 211	5	BEN	60	40	5.0	10.000	5.000 H	200J	15.000	G	1UA	30	70	5.000
	-B3601	NS 211	5	BEN	80	60	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	70	5.000
	-B3602	NS 211	5	BEN	100	80	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	70	5.000
	-B3603	NS 211	5	BEN	60	40	5.0	10.000	5.000 H	200J	15.000	G	1UA	30	160	5.000
	-B3604	NS 211	5	BEN	80	60	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	160	5.000
	-B3605	NS 211	5	BEN	100	80	5.0	10.000	5.000 H	200J	15.000	G	1UA	60	160	5.000
	-B3606	NS 211	5	BEN	50	30	5.0	5.000	4.000 H	200J			1UA	50	40	1.000
	-B3607	NS 211	5	BEN	70	50	5.0	5.000	4.000 H	200J			1UA	70	40	1.000
	-B3608	NS 211	5	BEN	90	70	5.0	5.000	4.000 H	200J			1UA	90	40	1.000
	-B3609	NS 211	5	BEN	50	30	5.0	5.000	4.000 H	200J			1UA	50	52	1.000
	-B3610	NS 211	5	BEN	70	50	5.0	5.000	4.000 H	200J			1UA	70	52	1.000
	-B3611	NS 211	5	BEN	90	70	5.0	5.000	4.000 H	200J			1UA	90	52	1.000
	-B3612	NS 211	5	BEN	50	30	5.0	5.000	4.000 H	200J			1UA	50	88	1.000
	-B3613	NS 211	5	BEN	70	50	5.0	5.000	4.000 H	200J			1UA	70	88	1.000
	-B3614	NS 211	5	BEN	90	70	5.0	5.000	4.000 H	200J			1UA	90	88	1.000
	-B3615	NS 211	5	BEN	50	30	5.0	5.000	4.000 H	200J			1UA	50	160	1.000
	-B3616	NS 211	5	BEN	70	50	5.0	5.000	4.000 H	200J			1UA	70	160	1.000
	-B3617	NS 211	5	BEN	90	70	5.0	5.000	4.000 H	200J			1UA	90	160	1.000
	-B3618	NS 560	61	BEN	60	40	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	36	5.000
	-B3619	NS 560	61	BEN	80	60	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	36	5.000
	-B3620	NS 560	61	BEN	100	80	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	36	5.000
	-B3621	NS 560	61	BEN	60	40	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	70	5.000
	-B3622	NS 560	61	BEN	80	60	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	70	5.000
	-B3623	NS 560	61	BEN	100	80	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	70	5.000
	-B3624	NS 560	61	BEN	60	40	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	160	5.000
	-B3625	NS 560	61	BEN	80	60	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	160	5.000
	-B3626	NS 560	61	BEN	100	80	5.0	10.000	40.000 H	200J	15.000	G	1UA	60	160	5.000
	-B3629	NS 541 B		BEN	80	60	8.0	5.000	10.000 H	200J	20.000	G	100NA	60	70	1.000
	-B3630	NS 541 B		BEN	100	80	8.0	5.000	10.000 H	200J	20.000	G	100NA	60	70	1.000
	-B3631	NS 560	59	BEN	80	60	8.0	5.000	30.000 H	200J	30.000	G	100NA	60	36	1.000
	-B3632	NS 560	59	BEN	80	60	8.0	5.000	30.000 H	200J	50.000	G	100NA	60	70	1.000
	-B3633	NS 560	59	BEN	100	80	8.0	5.000	30.000 H	200J	30.000	G	100NA	60	36	1.000
	-B3634	NS 560	59	BEN	100	80	8.0	5.000	30.000 H	200J	50.000	G	100NA	60	70	1.000
	-B3746	NS 210	18	BEN		20		.800		200J			10MA	20	40	.010
	-B3747	NS 541 B		BEN		25		.800		200J			10MA	25		
	-B3748	NS 541 B		BEN		25		.800		200J			10MA	25		
	-B3749	NS 541 B		BEN		50		5.000		200J			10MA	40		
	-B3750	NS 541 B		BEN		50		5.000		200J			10MA	50		
	-B5000	NS 920 A		BEN		35	1.2	3.000	25.000 H	150J	2.300	G	2MA	14	90	.500
	-B5001	NS 610 A		BEN		35	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	90	.500
	-B5002	NS 610 A		BEN		60	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	90	.500
	B5020	NS 920 A		SOL	35	35	1.2	3.000	25.000 H	150J	2.300	G	2MA	14	52	.500
	-B5021	NS 610 A		BEN		35	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	52	.500
	-B5022	NS 610 A		BEN		60	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	52	.500
	B5030	NS 920 A		SOL	35	35	1.2	3.000	25.000 H	150J	2.300	G	2MA	14	93	.500
	-B5031	NS 610 A		BEN		35	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	90	.500
	-B5032	NS 610 A		BEN		60	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	90	.500
	B5040	NS 920 A		SOL	35	35	1.2	3.000	25.000 H	150J	2.300	G	2MA	14	138	.500
	-B5041	NS 610 A		BEN		35	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	138	.500
	-B5042	NS 610 A		BEN		60	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	138	.500
	B5050	NS 920 A		SOL	35	35	1.2	3.000	25.000 H	150J	2.300	G	2MA	14	200	.500
	-B5051	NS 610 A		BEN		35	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	200	.500
	-B5052	NS 610 A		BEN		60	1.2	3.000	45.000 C	200J	2.300	G	2MA	14	200	.500
	-B5100	NS 920 A		BEN	60	60		3.000	45.000 H		2.000	G	2MA	14	92	.500
	B5120	NS 920 A		SOL	60	60		3.000	45.000 H		2.000	G	2MA	14	49	.500
	B5130	NS 920 A		SOL	60	60		3.000	45.000 H		2.000	G	2MA	14	90	.500
	B5140	NS 920 A		SOL	60	60		3.000	45.000 H		2.000	G	2MA	14	143	.500
	B5150	NS 920 A		SOL	60	60		3.000	45.000 H		2.000	G	2MA	14	210	.500
	-B10142	PG 605	3	BEN	350			10.000	30.000 C	110J	.008	E	200UA	2	40	6.000
	-B10142A	PG 605	3	BEN	290			10.000	30.000 C	110J	.008	E	200UA	2	40	6.000
	-B10142B	PG 605	3	BEN	225			10.000	30.000 H	110J	.008	E	200UA	2	40	6.000
	-B10474	PG 605	3	BEN	60			10.000	40.000 C	110J	.008	E	2MA	60	150	.400
	-B10475	PG 605	3	BEN	60			10.000	40.000 C	110J	.008	E	2MA	100	150	.400
	-B10912	PG 605	3	BEN	35	10		3.000	30.000 C	100J	CB AMP		2MA	35	50	1.000
	-B10913	PG 605	3	BEN	35	10		3.000	30.000 C	100J	CB AMP		2MA	35	100	1.000
	-B102000	PG 605	3	BEN	40	30		7.000	45.000 H	100J	.300	G	2MA	40	102	1.000
	-B102001	PG 605	3	BEN	50	40		7.000	45.000 H	100J	.300	G	2MA	40	102	1.000
	-B102002	PG 605	3	BEN	60	50		7.000	45.000 H	100J	.300	G	2MA	40	102	1.000
	-B102003	PG 605	3	BEN	70	60		7.000	45.000 H	100J	.300	G	2MA	40	102	1.000
	-B103000	PG 605	3	BEN	50	30		10.000	45.000 H	100J	.300	G	2MA	50	90	3.000
	-B103001	PG 605	3	BEN	60	40		10.000	45.000 H	100J	.300	G	2MA	50	90	3.000
	-B103002	PG 605	3	BEN	70	50		10.000	45.000 H	100J	.300	G	2MA	50	90	3.000
	-B103003	PG 605	3	BEN	80	60		10.000	45.000 H	100J	.300	G	2MA	50	90	3.000
	-B103004	PG 605	3	BEN	90	70		10.000	45.000 H	100J	.300	G	2MA	50	90	3.000
	-B113000-BRN	PG 605	3	BEN	110	70	2.0	25.000	70.000 H	110J	.500	G	100MA	60	90	2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
-	B113000-ORG	PG 605	3	BEN	110	70	2.0	25.000	70.000	H	110J		.500	G	100MA 60	224 2.000
-	B113000-RED	PG 605	3	BEN	110	70	2.0	25.000	70.000	H	110J		.500	G	100MA 60	150 2.000
-	B113001-BRN	PG 605	3	BEN	130	80	2.0	25.000	70.000	H	110J		.500	G	100MA 80	90 2.000
-	B113001-ORG	PG 605	3	BEN	130	80	2.0	25.000	70.000	H	110J		.500	G	100MA 80	224 2.000
-	B113001-RED	PG 605	3	BEN	130	80	2.0	25.000	70.000	H	110J		.500	G	100MA 80	150 2.000
-	B113002-BRN	PG 605	3	BEN	160	90	2.0	25.000	70.000	H	110J		.500	G	100MA 100	90 2.000
-	B113002-ORG	PG 605	3	BEN	160	90	2.0	25.000	70.000	H	110J		.500	G	100MA 100	224 2.000
-	B113002-RED	PG 605	3	BEN	160	90	2.0	25.000	70.000	H	110J		.500	G	100MA 100	150 2.000
-	B113003-BRN	PG 605	3	BEN	130	80	2.0	25.000	70.000	H	110J		.500	G	10MA 80	50 10.000
-	B113003-RED	PG 605	3	BEN	130	80	2.0	25.000	70.000	H	100J		.500	G	10MA 80	76 10.000
-	B113004-BRN	PG 605	3	BEN	160	90	2.0	25.000	70.000	H	110J		.500	G	10MA 90	50 10.000
-	B113004-RED	PG 605	3	BEN	160	90	2.0	25.000	70.000	H	110J		.500	G	10MA 90	76 10.000
-	B113005-BRN	PG 605	3	BEN	170	100	2.0	25.000	70.000	H	110J		.500	G	10MA 100	50 10.000
-	B113005-RED	PG 605	3	BEN	170	100	2.0	25.000	70.000	H	110J		.500	G	10MA 100	76 10.000
	B133000	NS 54 E		SOL	60	40	7.0	4.000	8.300	H	150J		1.000	G		175 .500
	B133001	NS 54 E		SOL	60	40	7.0	4.000	8.300	H	150J		1.000	G		105 1.000
	B133002	NS 54 E		SOL	60	40	7.0	4.000	8.300	H	150J		1.000	G		88 1.500
	B133003	NS 54 E		SOL	80	60	7.0	4.000	8.300	H	150J		1.000	G		50 2.000
	B133004	NS 54 E		SOL	80	60	7.0	4.000	8.300	H	150J		1.000	G		30 3.000
	B133005	NS 54 E		SOL	80	60	7.0	4.000	8.300	H	150J		1.000	G		24 4.000
	B133006	NS 54 E		SOL	100	80	7.0	4.000	8.300	H	150J		1.000	G		50 2.000
	B133007	NS 54 E		SOL	100	80	7.0	4.000	8.300	H	150J		1.000	G		30 3.000
	B133008	NS 54 E		SOL	100	80	7.0	4.000	8.300	H	150J		1.000	G		24 4.000
-	B143000	NS 211	5	BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	80 1.000
-	B143001	NS 211	5	BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	90 1.000
-	B143002	NS 211	5	BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	150 1.000
-	B143003	NS 211	5	BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	80 1.000
-	B143004	NS 211	5	BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	90 1.000
-	B143005	NS 211	5	BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	150 1.000
-	B143006	NS 211	5	BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	80 1.000
-	B143007	NS 211	5	BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	90 1.000
-	B143008	NS 211	5	BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	150 1.000
-	B143009	NS 211	5	BEN	50	40	5.0	5.000	5.000	C	175C		200.000	G	1MA 50	
-	B143010	NS 211	5	BEN	50	40	5.0	5.000	5.000	C	175C		200.000	G	1MA 50	
-	B143011	NS 211	5	BEN	70	60	5.0	5.000	5.000	C	175C		200.000	G	1MA 70	
-	B143012	NS 211	5	BEN	70	60	5.0	5.000	5.000	C	175C		200.000	G	1MA 70	
-	B143013	NS 211	5	BEN	90	80	5.0	5.000	5.000	C	175C		200.000	G	1MA 90	
-	B143014	NS 211	5	BEN	90	80	5.0	5.000	5.000	C	175C		200.000	G	1MA 90	
-	B143015	NS 541 B		BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	80 1.000
-	B143016	NS 541 B		BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	90 1.000
-	B143017	NS 541 B		BEN	50	40	5.0	5.000	5.000	C	175C		HS SW		1MA 50	150 1.000
-	B143018	NS 541 B		BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	80 1.000
-	B143019	NS 541 B		BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	90 1.000
-	B143020	NS 541 B		BEN	70	60	5.0	5.000	5.000	C	175C		HS SW		1MA 70	150 1.000
-	B143021	NS 541 B		BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	80 1.000
-	B143022	NS 541 B		BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	90 1.000
-	B143023	NS 541 B		BEN	90	80	5.0	5.000	5.000	C	175C		HS SW		1MA 90	150 1.000
-	B143024	NS 541 B		BEN	50	40	5.0	5.000	5.000	C	175C		200.000	G	1MA 50	
-	B143025	NS 541 B		BEN	50	40	5.0	5.000	5.000	C	175C		200.000	G	1MA 50	
-	B143026	NS 541 B		BEN	70	60	5.0	5.000	5.000	C	175C		200.000	G	1MA 70	
-	B143027	NS 541 B		BEN	70	60	5.0	5.000	5.000	C	175C		200.000	G	1MA 70	
-	B143028	NS 541 B		BEN	90	80	5.0	5.000	5.000	C	175C		200.000	G	1MA 90	
-	B143029	NS 541 B		BEN	90	80	5.0	5.000	5.000	C	175C		200.000	G	1MA 90	
	B144000	NS 561	59	SOL	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	80 1.000
	B144001	NS 561	59	SOL	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	90 1.000
	B144002	NS 561	59	SOL	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	150 1.000
	B144003	NS 561	59	SOL	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	80 1.000
	B144004	NS 561	59	SOL	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	90 1.000
	B144005	NS 561	59	SOL	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	150 1.000
	B144006	NS 561	59	SOL	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	80 1.000
	B144007	NS 561	59	SOL	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	90 1.000
	B144008	NS 561	59	SOL	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	150 1.000
	B145000	NS 560	61	SOL	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	80 1.000
	B145001	NS 560	61	SOL	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	90 1.000
-	B145002	NS 560	61	BEN	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	150 1.000
-	B145003	NS 560	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	80 1.000
-	B145004	NS 560	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	90 1.000
-	B145005	NS 560	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	150 1.000
-	B145006	NS 560	61	BEN	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	80 1.000
-	B145007	NS 560	61	BEN	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	90 1.000
-	B145008	NS 560	61	BEN	90	80	5.0	10.000	25.000	C	175J				1MA 90	150 1.000
-	B145009	NS 560	61	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B145010	NS 560	61	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B145011	NS 560	61	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B145012	NS 560	61	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B145013	NS 560	61	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
-	B145014	NS 560	61	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
-	B146000	NS 561	61	BEN	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	80 1.000
-	B146001	NS 561	61	BEN	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	90 1.000
-	B146002	NS 561	61	BEN	50	40	5.0	10.000	25.000	C	175J		HS SW		1MA 50	150 1.000
-	B146003	NS 561	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	80 1.000
-	B146004	NS 561	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	90 1.000
-	B146005	NS 561	61	BEN	70	60	5.0	10.000	25.000	C	175J		HS SW		1MA 70	150 1.000
-	B146006	NS 561	61	BEN	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	80 1.000
-	B146007	NS 561	61	BEN	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	90 1.000
-	B146008	NS 561	61	BEN	90	80	5.0	10.000	25.000	C	175J		HS SW		1MA 90	150 1.000
-	B146009	NS 561	61	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B146010	NS 561	61	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B146011	NS 561	61	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B146012	NS 561	61	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B146013	NS 561	61	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
-	B146014	NS 561	61	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
	B148000	NS 561	61	SOL	100	80	7.0	20.000	100.000	C			60.000	G	10UA 50	30 10.000
	B148001	NS 561	61	SOL	120	100	7.0	20.000	100.000	C			60.000	G	10UA 50	30 10.000
	B148002	NS 561	61	SOL	100	80	7.0	15.000	100.000	C			60.000	G	10UA 50	23 15.000
	B148003	NS 561	61	SOL	120	100	7.0	15.000	100.000	C			60.000	G	10UA 50	23 15.000
	B148004	NS 561	61	SOL	80	60	7.0	20.000	100.000	C			60.000	G	10UA 50	30 10.000
	B148005			SEE 2N5412												
-	B149000	NS 540	60	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B149001	NS 540	60	BEN	50	40	5.0	10.000	25.000	C	175J		200.000	G	1MA 50	
-	B149002	NS 540	60	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B149003	NS 540	60	BEN	70	60	5.0	10.000	25.000	C	175J		200.000	G	1MA 70	
-	B149004	NS 540	60	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
-	B149005	NS 540	60	BEN	90	80	5.0	10.000	25.000	C	175J		200.000	G	1MA 90	
-	B155000	NS 560	61	BEN		100S	7.0	20.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
-	B155001	NS 560	61	BEN		120S	7.0	20.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
-	B155002	NS 560	61	BEN		100S	7.0	15.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
-	B155003	NS 560	61	BEN		100S	7.0	15.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
-	B155004	NS 560	61	BEN		80S	7.0	20.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
-	B155005	NS 560	61	BEN		80S	7.0	15.000	60.000	C	175J		60.000	G	10UA 50	80 2.000
	B170000-BLK	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	30 .500
	B170000-BRN	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	40 .500
	B170000-ORG	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	76 .500
	B170000-RED	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	66 .500
	B170000-YEL	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	100 .500
	B170001-BLK	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J		1.000	G	100NA 40	30 .500
	B170001-BRN	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J		1.000	G	100NA 40	40 .500
	B170001-ORG	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J		1.000	G	100NA 40	76 .500
	B170001-RED	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J		1.000	G	100NA 40	66 .500
	B170001-YEL	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J		1.000	G	100NA 40	100 .500
	B170002-BLK	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J		1.000	G	100NA 40	30 .500
	B170002-BRN	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J		1.000	G	100NA 40	40 .500
	B170002-ORG	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J		1.000	G	100NA 40	76 .500
	B170002-RED	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J		1.000	G	100NA 40	66 .500
	B170002-YEL	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J		1.000	G	100NA 40	100 .500
	B170003-BLK	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	30 .500
	B170003-BRN	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	40 .500
	B170003-ORG	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	76 .500
	B170003-RED	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J		1.000	G	100NA 40	66 .500

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cont.	Temp. (°C) Cont.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	B170003-YEL	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	100	.500
	B170004-BLK	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	30	.500
	B170004-BRN	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	.500
	B170004-ORG	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	76	.500
	B170004-RED	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	66	.500
	B170004-YEL	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	100	.500
	B170005-BLK	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	30	.500
	B170005-BRN	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	40	.500
	B170005-ORG	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	76	.500
	B170005-RED	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	66	.500
	B170005-YEL	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	100	.500
	B170006-BLK	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	30	.500
	B170006-BRN	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	40	.500
	B170006-ORG	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	76	.500
	B170006-RED	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	66	.500
	B170006-YEL	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	100	.500
	B170007-BLK	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	30	.500
	B170007-BRN	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	.500
	B170007-ORG	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	76	.500
	B170007-RED	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	66	.500
	B170007-YEL	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	100	.500
	B170008-BLK	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	30	.500
	B170008-BRN	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	40	.500
	B170008-ORG	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	76	.500
	B170008-RED	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	66	.500
	B170008-YEL	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	100	.500
	B170009	NS 605	3	SOL	50	40	2.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170010	NS 605	3	SOL	50	40	2.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170011	NS 605	3	SOL	50	40	2.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B170012	NS 605	3	SOL	80	70	2.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170013	NS 605	3	SOL	80	70	2.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170014	NS 605	3	SOL	80	70	2.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B170015	NS 605	3	SOL	100	100	2.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170016	NS 605	3	SOL	100	100	2.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170017	NS 605	3	SOL	100	100	2.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B170018	NS 605	3	SOL	50	40	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170019	NS 605	3	SOL	50	40	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170020	NS 605	3	SOL	50	40	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B170021	NS 605	3	SOL	80	70	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170022	NS 605	3	SOL	80	70	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170023	NS 605	3	SOL	80	70	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B170024	NS 605	3	SOL	100	100	5.0	6.000	60.000	C	200J	1.000	G	100NA	40	60	1.000
	B170025	NS 605	3	SOL	100	100	5.0	10.000	90.000	C	200J	1.000	G	100NA	40	40	3.000
	B170026	NS 605	3	SOL	100	100	5.0	15.000	120.000	C	200J	1.000	G	100NA	40	24	5.000
	B176000	NS 605	3	SOL	250	200	5.0	5.000	50.000	H	175J			250UA	125	50	.100
	B176001	NS 605	3	SOL	250	200	5.0	5.000	50.000	H	175J			250UA	125	40	.500
	B176002	NS 605	3	SOL	250	200	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176003	NS 605	3	SOL	250	200	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176004	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	50	.100
	B176005	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	40	.500
	B176006	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176007	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176008	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	50	.100
	B176009	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	40	.500
	B176010	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176011	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176012	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	50	.100
	B176013	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	40	.500
	B176014	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176015	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176024	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176025	NS 605	3	SOL	400	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176026	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176027	NS 605	3	SOL	550	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176028	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	30	1.500
	B176029	NS 605	3	SOL	700	325	5.0	5.000	50.000	H	175J			250UA	125	20	2.500
	B176030	NS 605	3	SOL	800	500	5.0	5.000	125.000	C						15	3.000
	B177000	NS 605	3	BEN	100	80		30.000	150.000	C	200J	.020	E	5MA	100	30	10.000
	BC107	NS 211	18	TFK,SIH,TIL	45	45	5.0	.100	.300	A	175J	300.000	G	1NA	20	250	.002
	BC107A	NS 211	18	IMG	50	45	5.0	.100	.300	A	175J	250.000	G	15NA	30	187	.002
	BC107B	NS 211	18	IMG	50	45	5.0	.100	.300	A	175J	250.000	G	15NA	30	365	.002
	BC108	NS 211	18	TFK,SIH,TIL	30	20	5.0	.100	.300	A	175J	300.000	G	1NA	20	250	.002
	BC108A	NS 211	18	IMG	30	20	5.0	.100	.300	A	175J	250.000	G	15NA	30	187	.002
	BC108B	NS 211	18	IMG	30	20	5.0	.100	.300	A	175J	250.000	G	15NA	30	365	.002
	BC108C	NS 211	18	IMG	30	20	5.0	.100	.300	A	175J	250.000	G	15NA	30	675	.002
	BC109	NS 211	18	TFK,SIH,TIL	30	20	5.0	.100	.300	A	175J	300.000	G	1NA	20	460	.002
	BC109B	NS 211	18	IMG	30	20	5.0	.100	.300	A	175J	300.000	G	15NA	30	675	.002
	BC109C	NS 211	18	IMG	30	20	5.0	.100	.300	A	175J	300.000	G	15NA	30	365	.002
	BC110	NS 210	18	SIH	80	80	8.0	.050	.300	A	175J	100.000	G	100NA	80	90	.002
	BC121	NS 47 A		SIH	5	5	5.0	.075	.250	A	150J	50.000	G	10NA	2	300	.001
	BC122	NS 47 A		SIH	30	20	5.0	.075	.250	A	150J	50.000	G	10NA	15	300	.001
	BC123	NS 47 A		SIH	45	30	5.0	.075	.250	A	150J	50.000	G	10NA	25	200	.001
	BC129	NS 21C	18	TFK	45	45	5.0	.100	.175	A	150J	300.000	G	1NA	20	250	.002
	BC130	NS 210	18	TFK	20	20	5.0	.100	.175	A	150J	300.000	G	1NA	20	250	.002
	BC131	NS 210	18	TFK	20	20	5.0	.100	.175	A	150J	300.000	G	1NA	20	460	.002
	BC140	NS 210	39	SIH	80	40	7.0	1.000	3.700	C	175J	50.000	G	100NA	60	102	.150
	BC140-06	NS 211	39	IMG	80	40	7.0	1.000	.750	A	175J			100NA	40	65	.100
	BC140-10	NS 211	39	IMG	80	40	7.0	1.000	.750	A	175J			100NA	40	103	.100
	BC140-16	NS 211	39	IMG	80	40	7.0	1.000	.750	A	175J			100NA	40	162	.100
	BC141	NS 210	39	SIH	100	60	7.0	1.000	3.700	C	175J	50.000	G	100NA	60	102	.150
	BC141-06	NS 211	39	IMG	100	60	7.0	1.000	.750	A	175J			100NA	60	65	.100
	BC141-10	NS 211	39	IMG	100	60	7.0	1.000	.750	A	175J			100NA	60	103	.100
	BC141-16	NS 211	39	IMG	100	60	7.0	1.000	.750	A	175J			100NA	60	162	.100
	BC142	NS 211	39	TIL	80	60	5.0	1.000	.800	A		200.000	G			30	.200
	BC143	PS 211	39	TIL	60	60	6.0	.600	.600	A		200.000	G			30	.200
	BC147	NS 985 A		SIH		50S	6.0	.100	.220	A	125J	250.000	G	15UA	50	250	.002
	BC148	NS 985 A		SIH		30S	5.0	.100	.220	A	125J	250.000	G	15UA	30	350	.002
	BC149	NS 985 A		SIH		30S	5.0	.100	.220	A	125J	300.000	G	15UA	30	465	.002
	BC157	PS 985 A		SIH		50S	5.0	.100	.220	A	125J	130.000	G	100NA	20	140	.002
	BC158	PS 985 A		SIH		30S	5.0	.100	.220	A	125J	130.000	G	100NA	20	200	.002
	BC159	PS 985 A		SIH		25S	5.0	.100	.220	A	125J	130.000	G	100NA	20	250	.002
	BC160-06	PS 211	39	IMG	40	40	5.0	1.000	.750	A	175J			100NA	40	65	.100
	BC160-10	PS 211	39	IMG	40	40	5.0	1.000	.750	A	175J			100NA	40	103	.100
	BC160-16	PS 211	39	IMG	40	40	5.0	1.000	.750	A	175J			100NA	40	162	.100
	BC161-06	PS 211	39	IMG	60	60	5.0	1.000	.750	A	175J			100NA	60	65	.100
	BC161-10	PS 211	39	IMG	60	60	5.0	1.000	.750	A	175J			100NA	60	103	.100
	BC161-16	PS 211	39	IMG	60	60	5.0	1.000	.750	A	175J			100NA	60	162	.100
	BC167	NS 43	92	SIH		50S	6.0	.100	.220	A	125J	250.000	G	15UA	50	250	.002
	BC168	NS 43	92	SIH		30S	5.0	.100	.220	A	125J	250.000	G	15UA	30	350	.002
	BC169	NS 43	92	SIH		30S	5.0	.100	.220	A	125J	300.000	G	15UA	30	465	.002
	BC170A	NS 40	92	IMG	20	20	5.0	.100	.300	A	125J	100.000	G	100NA	15	60	.001
	BC170B	NS 40	92	IMG	20	20	5.0	.100	.300	A	125J	100.000	G	100NA	15	142	.001
	BC170C	NS 40	92	IMG	20	20	5.0	.100	.300	A	125J	100.000	G	100NA	15	350	.001
	BC171A	NS 40	92	IMG	50	45	5.0	.100	.300	A	125J	250.000	G	15NA	50	220	.020
	BC171B	NS 40	92	IMG	50	45	5.0	.100	.300	A	125J	250.000	G	15NA	50	320	.020
	BC172A	NS 40	92	IMG	30	20	5.0	.100	.300	A	125J	250.000	G	15NA	30	220	.020
	BC172B	NS 40	92	IMG	30	20	5.0	.100	.300	A	125J	250.000	G	15NA	30	320	.020
	BC172C	NS 40	92	IMG	30	20	5.0	.100	.300	A	125J	250.000	G	15NA	30	620	.020
	BC173B	NS 40	92	IMG	30	20	5.0	.100	.300	A	125J	300.000	G	15NA	30	60	.001
	BC173C	NS 40	92	IMG	30	20	5.0	.100	.300	A	125J	300.000	G	15NA	30	150	.001
	BC174A	NS 40	92	IMG	70	64	5.0	.100	.300	A	125J	200.000	G	15NA	60	220	.020
	BC174B	NS 40	92	IMG	70	64	5.0	.100	.300	A	125J	200.000	G	15NA	60	320	.020
	BC177	PS 210	18	SIH,TIL		50S	5.0	.100	.300	A	175J	130.000	G	100NA	20	105	.002
	BC178	PS 210	18	SIH,TIL		30S	5.0	.100	.300	A	175J	130.000	G	100NA	20	200	.002
	BC179	PS 210	18	SIH,TIL		25S	5.0	.100	.300	A	175J	130.000	G	100NA	20	250	.002
	BC182L	NS 43	92	TIL	60	50	5.0	.200	.300	A		150.000	G			220	.002
	BC183L	NS 43	92	TIL	45	30	5.0	.200	.300	A		150.000	G			312	.002
	BC184L	NS 43	92	TIL	45	530	5.0	.200	.300	A		150.000	G			375	.002
	BC192	PS 211	18	IMG	25	25	5.0	.500	.400	A	200J	100.000	G	100NA	20	120	.050

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @	V_{CB}	h_{FE} @	I_C(A)
	BC201	PS 47 A		SIH		5	5.0	.075	.250	A	150J	80.000	G	100NA	2	175	.001
	BC202	PS 47 A		SIH	30	20	5.0	.075	.250	A	150J	80.000	G	100NA	15	115	.001
	BC203	PS 47 A		SIH	45	30	5.0	.075	.250	A	150J	80.000	G	100NA	25	115	.001
	BC212L	PS 43	92	TIL	60	50	5.0	.200	.300	A		200.000	G			135	.002
	BC213L	PS 43	92	TIL	45	30	5.0	.200	.300	A		200.000	G			180	.002
	BC214L	PS 43	92	TIL	45	30	5.0	.200	.300	A		200.000	G			240	.002
	BC237A	NS 41	92	IMG	50	45	6.0	.100	.300	A	150J			15NA	50	170	.002
	BC237B	NS 41	92	IMG	50	45	6.0	.100	.300	A	150J			15NA	50	290	.002
	BC238A	NS 41	92	IMG	30	25	5.0	.100	.300	A	150J			15NA	30	170	.002
	BC238B	NS 41	92	IMG	30	25	5.0	.100	.300	A	150J			15NA	30	290	.002
	BC238C	NS 41	92	IMG	30	25	5.0	.100	.300	A	150J			15NA	30	500	.002
	BC239A	NS 41	92	IMG	30	25	5.0	.100	.300	A	150J			15NA	30	150	.001
	BC239B	NS 41	92	IMG	30	25	5.0	.100	.300	A	150J			15NA	30	270	.001
	BC250A	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	180.000	G	100NA	15	60	.001
	BC250B	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	180.000	G	100NA	15	142	.001
	BC250C	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	180.000	G	100NA	15	350	.001
	BC251A	PS 40	92	IMG	45	45	5.0	.100	.300	A	125J	200.000	G	50NA	45	200	.020
	BC251B	PS 40	92	IMG	45	45	5.0	.100	.300	A	125J	200.000	G	50NA	45	400	.020
	BC251C	PS 40	92	IMG	45	45	5.0	.100	.300	A	125J	200.000	G	50NA	45	600	.020
	BC252A	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	200	.020
	BC252B	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	400	.020
	BC252C	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	600	.020
	BC253A	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	60	.001
	BC253B	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	60	.001
	BC253C	PS 40	92	IMG	20	20	5.0	.100	.300	A	125J	200.000	G	50NA	20	150	.001
	BC256A	PS 40	92	IMG	64	64	5.0	.100	.300	A	125J	200.000	G	50NA	64	200	.020
	BC256B	PS 40	92	IMG	64	64	5.0	.100	.300	A	125J	200.000	G	50NA	64	400	.020
	BC257	PS 43	92	SIH		50S	5.0	.100	.220	A	125J	130.000	G	100NA	20	140	.002
	BC258	PS 43	92	SIH		30S	5.0	.100	.220	A	125J	130.000	G	100NA	20	200	.002
	BC259	PS 43	92	SIH		25S	5.0	.100	.220	A	125J	130.000	G	100NA	20	250	.002
	BC260A	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	180.000	G	100NA	15	60	.001
	BC260B	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	180.000	G	100NA	15	142	.001
	BC260C	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	180.000	G	100NA	15	350	.001
	BC261A	PS 211	18	IMG	45	45	5.0	.100	.300	A	175J	200.000	G	50NA	45	200	.020
	BC261B	PS 211	18	IMG	45	45	5.0	.100	.300	A	175J	200.000	G	50NA	45	400	.020
	BC261C	PS 211	18	IMG	45	45	5.0	.100	.300	A	175J	200.000	G	50NA	45	600	.020
	BC262A	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	200	.020
	BC262B	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	400	.020
	BC262C	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	600	.020
	BC263A	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	60	.001
	BC263B	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	60	.001
	BC263C	PS 211	18	IMG	20	20	5.0	.100	.300	A	175J	200.000	G	50NA	20	150	.001
	BC266A	PS 211	18	IMG	64	64	5.0	.100	.300	A	175J	200.000	G	50NA	64	200	.020
	BC266B	PS 211	18	IMG	64	64	5.0	.100	.300	A	175J	200.000	G	50NA	64	400	.020
	BC307A	PS 41	92	IMG	30	45	5.0	.100	.300	A	150J			50NA	45	170	.002
	BC307B	PS 41	92	IMG	50	45	5.0	.100	.300	A	150J			50NA	45	290	.002
	BC307C	PS 41	92	IMG	50	45	5.0	.100	.300	A	150J			50NA	45	500	.002
	BC308A	PS 41	92	IMG	30	25	5.0	.100	.300	A	150J			50NA	20	170	.002
	BC308B	PS 41	92	IMG	30	25	5.0	.100	.300	A	150J			50NA	20	290	.002
	BC308C	PS 41	92	IMG	30	25	5.0	.100	.300	A	150J			50NA	20	500	.002
	BC309A	PS 41	92	IMG	25	25	5.0	.100	.300	A	150J			50NA	20	90	.001
	BC309B	PS 41	92	IMG	25	25	5.0	.100	.300	A	150J			50NA	20	150	.001
	BC309C	PS 41	92	IMG	25	25	5.0	.100	.300	A	150J			50NA	20	270	.001
	BC325	PS 211	18	TIL	60	60	6.0	.050	.360	A		60.000	G			70	.001
	BC326	PS 211	18	TIL	60	60	6.0	.050	.360	A		60.000	G			225	.001
	BC340-06	NS 211	39	IMG	40	40	5.0	.500	.800	A	200J			100NA	40	65	.050
	BC340-10	NS 211	39	IMG	40	40	5.0	.500	.800	A	200J			100NA	40	103	.050
	BC340-16	NS 211	39	IMG	40	40	5.0	.500	.800	A	200J			100NA	40	162	.050
	BC341-06	NS 211	39	IMG	60	60	5.0	.500	.800	A	200J			100NA	60	65	.050
	BC341-10	NS 211	39	IMG	60	60	5.0	.500	.800	A	200J			100NA	60	103	.050
	BC360-06	PS 211	39	IMG	40	40	5.0	.500	.800	A	200J			100NA	40	65	.050
	BC360-10	PS 211	39	IMG	40		5.0	.500	.800	A	200J			100NA	40	103	.050
	BC360-16	PS 211	39	IMG	40		5.0	.500	.800	A	200J			100NA	40	162	.050
	BC361-06	PS 211	39	IMG	60	60	5.0	.500	.800	A	200J			100NA	60	65	.050
	BC361-10	PS 211	39	IMG	60	60	5.0	.500	.800	A	200J			100NA	60	103	.050
	BC1274			SEE 2N2294													
	BC1274A			SEE 2N2295													
	BC1274B			SEE 2N2296													
	BCW34	NS 211	18	TIL	60	45	6.0	.600	.360	A		150.000	G			155	.100
	BCW35	PS 211	18	TIL	60	45	6.0	.600	.360	A		150.000	G			155	.100
	BCW36	NS 43	92	TIL	60	45	6.0	.600	.300	A		150.000	G			155	.100
	BCW37	PS 43	92	TIL	60	45	6.0	.600	.300	A		150.000	G			155	.100
	BCY10	PS 60 A		RAD, AMP	32	32	12.0	.250	.300	A	150J	1.500	B	100NA	6	24	.030
	BCY11	PS 60 A		RAD, AMP	60	60	12.0	.500	.300	A	150J	1.500	B	100NA	6	24	.030
	BCY12	PS 60 A		RAD, AMP	32	32	12.0	.500	.300	A	150J	2.000	B	100NA	6	40	.030
	BCY30	PS 210	5	RAD, AMP	64	64	45.0	.100	.250	A	150J	.250	B	100NA	6	25	.001
	BCY31	PS 210	5	RAD, AMP	64	64	45.0	.100	.250	A	150J	.250	B	100NA	6	40	.001
	BCY33	PS 210	5	RAD, AMP	32	32	16.0	.100	.250	A	150J	.450	B	100NA	6	25	.001
	BCY34	PS 210	5	RAD, AMP	32	32	16.0	.100	.250	A	150J	.600	B	100NA	6	40	.001
	BCY58	NS 210	18	SIH		32	7.0	.200	1.000	A	200J	300.000	G	10UA	32	300	.032
	BCY58A	NS 211	18	IMG	32	32	5.0	.100	.300	A	175J	300.000	G	10NA	32	225	.020
	BCY58B	NS 211	18	IMG	32	32	5.0	.100	.300	A	175J	300.000	G	10NA	32	280	.020
	BCY58C	NS 211	18	IMG	32		5.0	.100	.300	A	175J	300.000	G	10NA	32	350	.020
	BCY58D	NS 211	18	IMG	32	32	5.0	.100	.300	A	175J	300.000	G	10NA	32	540	.020
	BCY59	NS 210	18	SIH, TIL	45	45	7.0	.200	1.000	A	200J	300.000	G	10UA	45	300	.045
	BCY59A	NS 211	18	IMG	45	45	5.0	.100	.300	A	175J	300.000	G	10NA	45	225	.020
	BCY59B	NS 211	18	IMG	45	45	5.0	.100	.300	A	175J	300.000	G	10NA	45	280	.020
	BCY59C	NS 211	18	IMG	45	45	5.0	.100	.300	A	175J	300.000	G	10NA	45	350	.020
	BCY59D	NS 211	18	IMG	45	45	5.0	.100	.300	A	175J	300.000	G	10NA	45	540	.020
	BCY65	NS 210	18	SIH		60	7.0	.200	1.000	A	200J	300.000	G	10UA	60	300	.060
	BCY66	NS 210	18	SIH	45	45	7.0	.200	1.000	A	200J	300.000	G	10UA	45	290	.045
	BCY78	PS 210	18	SIH		32	5.0	.200	.300	A	175J	200.000	G			250	.002
	BCY78A	PS 211	18	IMG	32	32	5.0	.200	.350	A	200J			20NA	25	180	.010
	BCY78B	PS 211	18	IMG	32	32	5.0	.200	.350	A	200J			20NA	25	260	.010
	BCY78C	PS 211	18	IMG	32	32	5.0	.200	.350	A	200J			20NA	25	360	.010
	BCY78D	PS 211	18	IMG	32	32	5.0	.200	.350	A	200J			20NA	25	500	.010
	BCY79	PS 211	18	SIH		45	5.0	.200	.300	A	175J	200.000	G			250	.002
	BCY79A	PS 211	18	IMG	45	45	5.0	.200	.350	A	200J			20NA	35	180	.010
	BCY79B	PS 211	18	IMG	45	45	5.0	.200	.350	A	200J			20NA	35	260	.010
	BCY79C	PS 211	18	IMG	45	45	5.0	.200	.350	A	200J			20NA	35	360	.010
	BCZ10	PS 60 A		RAD, AMP	25	25	20.0	.050	.250	A	150J	1.000	B	100NA	10	20	.001
	BCZ11	PS 60 A		RAD, AMP	25	25	20.0	.050	.250	A	150J	3.000	B	100NA	10	35	.001
	BCZ12	PS 60 A		RAD, AMP	60	60	30.0	.050	.250	A	150J	1.000	B	100NA	10	15	.001
	BCZ13	PS 105 B		RAD	20	20		.010	.080	A	125J					20	
	BCZ14	PS 105 B		RAD	20	20		.010	.080	A	125J					20	
	BD106A	NS 605 A		IMG	36	36	5.0	2.500	11.500	C	175J	100.000	G	500NA	32	88	.500
	BD106B	NS 605 A		IMG	36	36	5.0	2.500	11.500	C	175J	100.000	G	500NA	32	175	.500
	BD107A	NS 605 A		IMG	64	64	5.0	2.500	11.500	C	175J	100.000	G	500NA	60	88	.500
	BD107B	NS 605 A		IMG	64	64	5.0	2.500	11.500	C	175J	100.000	G	500NA	60	175	.500
	BD109	NS 605 A		SIH	60	60	5.0	3.000	18.500	C	175J	30.000	G	100NA	40	105	1.000
	BD130	NS 605	3	SIH	100	60	7.0	15.000	100.000	C	200J	.700	B	500UA	100	37	4.000
	BDY10	NS 605	3	RAD	50	50		4.000	150.000	C	175J	.500	B			24	
	BDY11	NS 605	3	RAD	80	80		4.000	150.000	C	175J	.500	B			24	
	BDY12	NS 605 A		SIH		60S	5.0	2.000	26.000	C	175J	30.000	G	100UA	40	105	1.000
	BDY13	NS 605 A		SIH		80S	5.0	2.000	26.000	C	175J	30.000	G	100UA	60	105	1.000
	BDY15A	NS 605 A		IMG	36	36	5.0	2.500	11.500	C	175J	100.000	G	100NA	32	88	.500
	BDY15B	NS 605 A		IMG	36	36	5.0	2.500	11.500	C	175J	100.000	G	100NA	32	175	.500
	BDY15C	NS 605 A		IMG	36	36	5.0	2.500	11.500	C	175J	100.000	G	100NA	32	350	.500
	BDY16A	NS 605 A		IMG	64	64	5.0	2.500	11.500	C	175J	100.000	G	100NA	60	88	.500
	BDY16B	NS 605 A		IMG	64	64	5.0	2.500	11.500	C	175J	100.000	G	100NA	60	175	.500
	BDY23A	NS 605	3	SES	60	60	10.0	6.000	85.000	C	200J	10.000	G	1MA	60	30	2.000
	BDY23B	NS 605	3	SES	60	60	10.0	6.000	85.000	C	200J	10.000	G	1MA	60	60	2.000
	BDY23C	NS 605	3	SES	60	60	10.0	6.000	85.000	C	200J	10.000	G	1MA	60	120	2.000
	BDY24A	NS 605	3	SES	100	90	10.0	6.000	85.000	C	200J	10.000	G	1MA	90	30	2.000
	BDY24B	NS 605	3	SES	100	90	10.0	6.000	85.000	C	200J	10.000	G	1MA	90	60	2.000
	BDY24C	NS 605	3	SES	100	90	10.0	6.000	85.000	C	200J	10.000	G	1MA	90	120	2.000
	BDY25A	NS 605	3	SES	200	140	10.0	6.000	85.000	C	200J	10.000	G	1MA	120	30	2.000
	BDY25B	NS 605	3	SES	200	140	10.0	6.000	85.000	C	200J	10.000	G	1MA	120	60	2.000
	BDY25C	NS 605	3	SES	200	140	10.0	6.000	85.000	C	200J	10.000	G	1MA	120	120	2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}	h_{FE} @ I_C(A)	
	BDY26A	NS 605	3	SES	300	180	10.0	6.000	85.000	C	200J	10.000 G		1MA 180	30	2.000
	BDY26B	NS 605	3	SES	300	180	10.0	6.000	85.000	C	200J	10.000 G		1MA 180	60	2.000
	BDY26C	NS 605	3	SES	300	180	10.0	6.000	85.000	C	200J	10.000 G		1MA 180	120	2.000
	BDY27A	NS 605	3	SES	400	200	10.0	6.000	85.000	C	200J	10.000 G		1MA 200	30	2.000
	BDY27B	NS 605	3	SES	400	200	10.0	6.000	85.000	C	200J	10.000 G		1MA 200	60	2.000
	BDY27C	NS 605	3	SES	400	200	10.0	6.000	85.000	C	200J	10.000 G		1MA 200	120	2.000
	BDY28A	NS 605	3	SES	500	250	10.0	6.000	85.000	C	200J	10.000 G		1MA 250	30	2.000
	BDY28B	NS 605	3	SES	500	250	10.0	6.000	85.000	C	200J	10.000 G		1MA 250	60	2.000
	BDY28C	NS 605	3	SES	500	250	10.0	6.000	85.000	C	200J	10.000 G		1MA 250	120	2.000
	BF110	NS 210	39	TFK,SIH	150	150S	5.0	.040	2.500	C	175J	150.000 G		100NA 140	30	.010
	BF111	NS 211	39	SIH		200S	5.0	.080	3.000	A	175J	120.000 G		200NA 160	30	.060
	BF114	NS 210	18	TFK	150	145R	5.0	.040	2.600	C	175J	80.000 G		100NA 100	30	.010
	BF115	NS 218	72	TFK,SIH	50	30	4.0	.030	.145	A	175J	230.000 G		500NA 10	80	.001
	BF117	NS 211	39	IMG	140	140	5.0	.100	1.270	H	175J	80.000 G		10NA 100	38	.030
	BF118	NS 211	39	IMG	250	250R	5.0	.100	5.000	C	175J	110.000 G		50NA 200	38	.030
	BF119	NS 211	39	IMG	160	160R	5.0	.100	5.000	C	175J	110.000 G		50NA 100	38	.030
	BF120	NS 211	18	IMG		220	5.0	.050	.300	A	175J			200NA 200	30	.010
	BF121	NS 230 A		IMG		30		.025	.330	A	125J	100.000 G				
	BF123	NS 230 A		IMG		30		.030	.330	A	125J	35.000 G				
	BF125	NS 230 A		IMG		30		.030	.330	A	125J	100.000 G				
	BF130	NS 230 A		IMG		30		.025		A	125J	35.000 G				
	BF137	NS 211	39	IMG	160	160	5.0	.100	5.000	A	175J	95.000 G		50NA 120	25	.030
	BF167	NS 218	72	TFK,SES,SIH	40	30	4.0	.025	.130	A	175J	330.000 G			57	.004
	BF168	NS 218	72	TFK	50	30	4.0	.025	.260	A	175J	550.000 G		300NA 20	100	.007
	BF173	NS 218	72	SIH	40	25	4.0	.025	.260	A	175J	550.000 G			88	.007
	BF177	NS 211	39	SIH		100S	5.0	.040	.600	A	175J	120.000 G			30	.015
	BF178	NS 211	39	SIH		160S	5.0	.050	1.700	A	175J	120.000 G			30	.030
	BF179A	NS 211	39	SIH		160S	5.0	.050	1.700	A	175J	120.000 G			30	.020
	BF179B	NS 211	39	SIH		220S	5.0	.050	1.700	A	175J	120.000 G			30	.020
	BF179C	NS 211	39	SIH		250S	5.0	.050	1.700	A	175J	120.000 G			30	.020
	BF184	NS 218	72	SIH	30	20	5.0	.030	.145	A	175J	300.000 G			115	.001
	BF185	NS 218	72	SIH	30	20	5.0	.030	.145	A	175J	220.000 G			67	.001
	BF194	NS 985 A		SIH	30	20	5.0	.030	.220	A	125J	260.000 G			115	.001
	BF195	NS 985 A		SIH	30	20	5.0	.030	.220	A	125J	200.000 G			67	.001
	BF224J	NS 39	92	TIL	45	30	4.0	.050	.360	A		300.000 G			45	.007
	BF225J	NS 39	92	TIL	50	40	4.0	.050	.360	A		400.000 G			45	.004
	BF232	NS 218	72	SIH		48S	4.0	.030	.270	A	175J	600.000 G			45	.007
	BF237	NS 168	18	TIL	55	30	4.0	.030	.360	A		1.000			45	.001
	BF238	NS 168	18	TIL	45	30	4.0	.030	.360	A		1.000			105	.001
	BF257	NS 211	39	IMG,TIL	160	160	5.0	.100	5.000	C	175J	90.000 G		50NA 100	25	.030
	BF258	NS 211	39	IMG,TIL	250	250	5.0	.100	5.000	C	175J	90.000 G		50NA 200	25	.030
	BF259	NS 211	39	IMG,TIL	300	300	5.0	.100	5.000	C	175J	90.000 G		50NA 250	25	.030
	BFS29	NS 890 A		TIL	45	45	5.0	.200	.300	A					105	.100
	BFS30	NS 890 A		TIL	45	45	5.0	.200	.300	A					175	.010
	BFS31	NS 890 A		TIL	45	30	5.0	.200	.300	A					195	.010
	BFS32	PS 890 A		TIL	45	45	5.0	.200	.300	A		200.000 G			70	.100
	BFS33	PS 890 A		TIL	45	45	5.0	.200	.300	A		200.000 G			160	.010
	BFS34	PS 890 A		TIL	45	30	5.0	.200	.300	A		200.000 G			212	.010
	BFS57	NS 890 A		TIL	25	15	3.0	.050	.200	A		1400.000 G			58	.005
	BFS58	NS 890 A		TIL	25	13	3.0	.050	.200	A		1000.000 G			95	.005
	BFX55	NS 210	39	SIH	60	40	3.5	.400	3.700	C	175J	500.000 G		50NA 40	80	.050
	BFX59	NS 217	72	SIH	30	20	3.0	.100			175J	800.000 G		10NA 20	120	.010
	BFX60	NS 218	72	SIH	40	25	4.0	.025	.230	A	175J	550.000 G			75	.007
	BFX62	NS 217	72	SIH	30		4.0	.012	.150	A	200J	650.000 G			40	.002
	BFY10	NS 210	5	RAD	45	45		.050	.300	A	175J	50.000 B			50	
	BFY11	NS 210	5	RAD	45	45		.050	.300	A	175J	60.000 B			80	
	BFY27			SEE 2N915												
	BFY33	NS 210	39	SIH	50	24	7.0	.500	2.600	C	200J	100.000 G		20NA 40	60	.150
	BFY34	NS 210	39	SIH	40	30	7.0	.500	2.600	C	200J	60.000 G		10NA 60	70	.150
	BFY39-1	NS 211	18	IMG	45	25	5.0	.100	.300	A	175J	150.000 G		50NA 30	62	.010
	BFY39-2	NS 211	18	IMG	45	25	5.0	.100	.300	A	175J	150.000 G		50NA 30	150	.010
	BFY39-3	NS 211	18	IMG	45	25	5.0	.100	.300	A	175J	150.000 G		50NA 30	280	.010
-	BFY40	NS 211	39	IMG	60	30	7.0	.750	.800	A	200J	100.000 G		100NA 30	75	.050
-	BFY41	NS 211	39	IMG	120	60	5.0	.500	.800	A	200J	100.000 G		100NA 90	53	.050
	BFY45	NS 210	39	SIH		140S	5.0	.030	2.500	C	200J	130.000 G		100NA 140	60	.010
	BFY46	NS 210	39	SIH	75	30	7.0	.500	2.600	C	200J	70.000 G		10NA 60	175	.150
	BFY50	NS 211	39	IMG,TIL	80	35	6.0	1.000	2.800	H	200J	100.000 G		50NA 60	30	.150
	BFY51	NS 211	39	IMG,TIL	60	30	6.0	1.000	2.800	H	200J	110.000 G		50NA 40	45	.150
	BFY52	NS 211	39	IMG,TIL	40	20	6.0	1.000	2.800	H	200J	120.000 G		50NA 30	45	.150
	BFY65	NS 210	5	TFK	100	90R	7.0	.050	.565	A	175J	50.000 G		50NA 75	30	.002
	BFY66			SEE 2N918												
	BFY69A	NS 8 A		TFK	25	18	5.0		.060	A	150J	20.000 G		50NA 18	50	.010
	BFY69B	NS 8 B		TFK	25	18	5.0		.060	A	150J	20.000 G		50NA 18	50	.010
	BFY80	NS 210	18	TFK	100	90R	7.0	.050	.260	A	175J	50.000 G		50NA 75	30	.002
	BLY47	NS 605	3	TIL	100	75	8.0	3.000	40.000	C		15.000 G			55	1.000
	BLY47A	NS 605	66	TIL	100	75	8.0	3.000	40.000	C		15.000 G			55	1.000
	BLY48	NS 605	3	TIL	100	75	8.0	3.000	40.000	C		15.000 G			110	1.000
	BLY48A	NS 605	66	TIL	100	75	8.0	3.000	40.000	C		15.000 G			110	1.000
	BLY49	NS 605	3	TIL	250	150	8.0	3.000	40.000	C		15.000 G			55	1.000
	BLY49A	NS 605	66	TIL	250	150	8.0	3.000	40.000	C		15.000 G			55	1.000
	BLY50	NS 605	3	TIL	250	150	8.0	3.000	40.000	C		15.000 G			110	1.000
	BLY50A	NS 605	66	TIL	250	150	8.0	3.000	40.000	C		15.000 G			110	1.000
	BLY61			SEE RF POWER SECTION												
	BLY62			SEE RF POWER SECTION												
	BLY63			SEE RF POWER SECTION												
	BR100A			SEE 2N5527												
	BR100B	NS 541 B		SOL	60	40	3.0	5.000	7.500	C	200J	500.000 G		100UA 30	100	3.000
	BR100C			SEE 2N5528												
	BR100D	NS 540	60	SOL	60	40	3.0	10.000	35.000	C	200J	500.000 G		100UA 30	100	3.000
	BR100E			SEE 2N5529												
	BR100F			SEE 2N5530												
	BR101A			SEE 2N5531												
	BR101B	NS 541 B		SOL	90	70	3.0	5.000	7.500	C	200J	500.000 G		100UA 30	68	3.000
	BR101C			SEE 2N5532												
	BR101D	NS 540	60	SOL	90	70	3.0	10.000	35.000	C	200J	500.000 G		100UA 30	68	3.000
	BR101E			SEE 2N5533												
	BR101F			SEE 2N5534												
	BR200A			SEE 2N5535												
	BR200B			SEE 2N5536												
	BR201A			SEE 2N5537												
	BR201B			SEE 2N5538												
	BR300A	NS 561	61	SOL	60	50		25.000	50.000	C					90	10.000
	BR300B	NS 560	61	SOL	60	50		25.000	50.000	C					90	10.000
	BR301A	NS 561	61	SOL	90	75		25.000	50.000	C					90	10.000
	BR301B	NS 560	61	SOL	90	75		25.000	50.000	C					90	10.000
	BR400A	NS 561	61	SOL	60	50		25.000	50.000	C					90	5.000
	BR400B	NS 560	61	SOL	60	50		25.000	50.000	C					90	5.000
	BR401A	NS 561	61	SOL	90	75		25.000	50.000	C						5.000
	BR401B	NS 560	61	SOL	90	75		25.000	50.000	C					90	5.000
-	BSC-1015	NS 412	82	BEN	30		10.0	.750	15.000	C	150J	.020 E			20	
-	BSC-1015A	NS 412	82	BEN	60		10.0	.750	15.000	C	150J	.020 E			20	
-	BSC-1015B	NS 412	82	BEN	100		10.0	.750	15.000	C	150J	.020 E			20	
-	BSC-1016	NS 412	82	BEN	30		10.0	.750	15.000	C	150J	.020 E			20	
-	BSC-1016A	NS 412	82	BEN	60		10.0	.750	15.000	C	150J	.020 E			20	
-	BSC-1016B	NS 412	82	BEN	100		10.0	.750	15.000	C	150J	.020 E			20	
	BSV53	NS 890 A		TIL	40	15	4.0	.200	.300	A		400.000 G			70	.010
	BSV54	NS 890 A		TIL	20	12	4.0	.200	.300	A		400.000 G			50	.010
	BSV55	PS 890 A		TIL	20	15	5.0	.200	.300	A		400.000 G			78	.030
	BSV55A	PS 890 A		TIL	12	12	4.0	.200	.300	A		400.000 G			78	.030
	BSW72	PS 211	18	IMG	40	25	5.0	.500	.400	A	200J	200.000 G		100NA 30	70	.150
	BSW73	PS 211	18	IMG	40	25	5.0	.500	.400	A	200J	200.000 G		100NA 30	175	.150
	BSW74	PS 211	18	IMG	75	40	5.0	.500	.400	A	200J	200.000 G		10NA 50	70	.150
	BSW75	PS 211	18	IMG	75	40	5.0	.500	.400	A	200J	200.000 G		10NA 50	175	.150
	BSW82	NS 211	18	IMG	40	25	5.0	.500	.500	A	175J	250.000 G		100NA 30	70	.100
	BSW83	NS 211	18	IMG	40	25	5.0	.500	.500	A	175J	250.000 G		100NA 30	175	.100
	BSW84	NS 211	18	IMG	75	40	5.0	.500	.500	A	175J	250.000 G		10NA 50	70	.100
	BSW85	NS 211	18	IMG	75	40	5.0	.500	.500	A	175J	250.000 G		10NA 50	175	.100
	BSX22	NS 211	39	IMG	40	32	5.0	1.500	6.000	C	175J	100.000 G		1UA 10	53	.500
	BSX23	NS 211	39	IMG	90	65	5.0	1.500	6.000	C	175J	100.000 G		1UA 30	53	.500

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	BSX25	NS 210	18	TFK	40	25	5.0		.320	A	200J	50.000	G	50NA	30	30	.005
	BSX38	NS 210	18	TFK	35	30	5.0	.200	.175	A	150J	200.000	G	50NA	25	65	.010
-	BSX40	PS 211	39	IMG	30	30	5.0	.500	.800	A	200J	100.000	G	25NA	25	70	.150
-	BSX41	PS 211	39	IMG	30	30	5.0	.500	.800	A	200J	150.000	G	25NA	25	175	.150
	BSX45	NS 211	39	SIH			7.0	1.000	5.000	C	200J	60.000	G	10NA	60	70	.150
	BSX46	NS 211	39	SIH			7.0	1.000	5.000	C	200J	60.000	G	10NA	60	70	.150
	BSX48	NS 210	18	SIH	50	25	5.0	.600	1.000	C	200J	400.000	G	120NA	50	42	.100
	BSX49	NS 210	18	SIH	60	40	5.0	.600	1.000	C	200J	400.000	G	70NA	50	42	.100
	BSX62	NS 211	39	SIH		60S	5.0	2.000	4.400	C	200J	30.000	G	100NA	40	105	1.000
	BSX63	NS 211	39	SIH		80S	5.0	2.000	4.400	C	200J	30.000	G	100NA	60	68	1.000
	BSY10	NS 210	5	RAD	60	60		.050	.300	A	175J	60.000	B			90	
	BSY11	NS 210	5	RAD	60	60		.050	.300	A	175J	50.000	B			120	
	BSY17	NS 210	18	SIH	20	12	5.0	.200	1.000	C	200J	280.000	G	1UA	20	35	.010
	BSY18	NS 210	18	SIH	20	12	5.0	.200	1.000	C	200J	280.000	G	1UA	20	70	.010
	BSY19			SEE 2N708													
	BSY21			SEE 2N914													
	BSY34	NS 210	39	SIH	60	40	5.0	.600	2.600	C	200J	250.000	G	70NA	50	42	.100
	BSY44			SEE 2N1613													
	BSY45			SEE 2N1893													
	BSY46			SEE 2N2193													
	BSY51	NS 211	39	IMG	60	25	5.0	.500	.800	A	200J	100.000	G	100NA	30	70	.150
	BSY52	NS 211	39	IMG	60	25	5.0	.500	.800	A	200J	100.000	G	100NA	30	175	.150
	BSY53	NS 211	39	IMG	75	30	7.0	.750	.800	A	200J	100.000	G	10NA	60	70	.150
	BSY54	NS 211	39	IMG	75	30	7.0	.750	.800	A	200J	100.000	G	10NA	60	175	.150
	BSY55	NS 211	39	IMG	120	80	7.0	.500	.800	A	200J	100.000	G	10NA	90	70	.150
	BSY56	NS 211	39	IMG	120	80	7.0	.500	.800	A	200J	100.000	G	10NA	90	175	.150
	BSY58	NS 210	39	SIH	50	25	5.0	.600	2.600	C	200J	250.000	G	120NA	50	42	.100
	BSY61	NS 43	92	SIH	25	15	5.0	.200	.200	A	125J	200.000	G	500NA	15	105	.010
	BSY62	NS 210	18	SIH	25	15	5.0	.200	1.000	C	200J	200.000	G	500NA	15	95	.010
	BSY63	NS 210	18	SIH	40	15	5.0	.200	1.000	C	200J	300.000	G	25NA	20	60	.010
	BSY70			SEE 2N706													
	BSY71			SEE 2N1711													
-	BSY72	NS 211	18	IMG	25	18	5.0	.100	.300	A	175J	170.000	G	100NA	20	142	.001
-	BSY73	NS 211	18	IMG	25	18	5.0	.100	.300	A	175J	145.000	G	100NA	20	60	.001
-	BSY74	NS 211	18	IMG	25	18	5.0	.100	.300	A	175J	170.000	G	100NA	20	142	.001
-	BSY75	NS 211	18	IMG	40	32	5.0	.100	.300	A	175J	145.000	G	50NA	32	60	.001
-	BSY76	NS 211	18	IMG	40	32	5.0	.100	.300	A	175J	170.000	G	50NA	32	142	.001
-	BSY77	NS 211	18	IMG	80	64	5.0	.100	.300	A	175J	145.000	G	50NA	65	60	.001
-	BSY78	NS 211	18	IMG	80	64	5.0	.100	.300	A	175J	170.000	G	50NA	65	142	.001
	BSY79	NS 211	18	IMG	120		5.0	.030	.300	A	175J			50NA	90	45	.001
-	BSY80	NS 211	18	IMG	25	18	5.0	.100	.300	A	175J	210.000	G	100NA	20	300	.001
	BSY81	NS 211	39	IMG	40	18	5.0	1.000	5.000	C	200J	100.000	G	100NA	30	70	.150
	BSY82	NS 211	39	IMG	40	18	5.0	1.000	5.000	C	200J	120.000	G	100NA	30	175	.150
	BSY83	NS 211	39	IMG	80	35	7.0	1.000	5.000	C	200J	100.000	G	10NA	60	70	.150
	BSY84	NS 211	39	IMG	80	35	7.0	1.000	5.000	C	200J	120.000	G	10NA	60	175	.150
	BSY85	NS 211	39	IMG	120	64	7.0	1.000	5.000	C	200J	110.000	G	10NA	90	70	.150
	BSY86	NS 211	39	IMG	120	64	7.0	1.000	5.000	C	200J	130.000	G	10NA	90	175	.150
	BSY87	NS 211	39	IMG	100	60	7.0	.500	.800	A	200J	100.000	G	10NA	75	70	.150
	BSY88	NS 211	39	IMG	100	60	7.0	.500	.800	A	200J	100.000	G	10NA	75	175	.150
	BSY90	NS 211	39	IMG	60	25	5.0	.500	.800	A	200J	100.000	G	10NA	30	375	.150
	BSY91	NS 210	5	TFK	40	25	5.0		.700	A	200J	50.000	G	50NA	30	30	.005
	BSY92	NS 210	5	TFK	60	40	5.0		.700	A	200J	50.000	G	20NA	50	60	.010
	BSY93	NS 210	18	TFK	60	40	5.0		.320	A	200J	50.000	G	20NA	50	60	.010
-	BSY95A	NS 211	18	IMG	20	15	5.0	.300	.300	A	200J	200.000	G	50NA	16	75	.010
	BU106	NS 605	3	TIL	325	140	8.0	10.000	50.000	C		15.000	G			12	4.000
	BU107	NS 605	3	TIL	300	120	8.0	10.000	50.000	C		15.000	G			8	7.000
	BUY12	NS 609 A		SIH	210	80	5.0	10.000	70.000	C	150J	5.000	G	200UA	150	21	8.000
	BUY13	NS 609 A		SIH	120	70	5.0	10.000	70.000	C	150J	5.000	G	200UA	80	21	8.000
	BUY14	NS 609 A		SIH	60	60	5.0	8.000	35.000	C	150J	5.000	G	200UA	60	21	6.000
	BUY20	NS 605	3	TIL	200	120	8.0	10.000	85.000	C		15.000	G			95	3.000
	BUY21	NS 605	3	TIL	300	180	8.0	10.000	85.000	C		15.000	G			95	3.000
	BUY22	NS 605	3	TIL	450	230	8.0	10.000	85.000	C		15.000	G			95	3.000
	BUY23	NS 605	3	TIL	600	250	8.0	10.000	100.000	C		15.000	G			70	2.500
	BUY23A	NS 605	3	TIL	700	300	8.0	10.000	100.000	C		15.000	G			70	2.500
	BUY51	NS 651	61	TIL	60	60	8.0	30.000	150.000	C		10.000	G			58	10.000
	BUY51A	NS 605	3	TIL	60	60	8.0	30.000	150.000	C		10.000	G			58	10.000
	BUY52	NS 651	61	TIL	60	60	8.0	30.000	150.000	C		10.000	G			58	15.000
	BUY52A	NS 605	3	TIL	60	60	8.0	30.000	150.000	C		10.000	G			58	15.000
	BUY53	NS 651	61	TIL	100	100	8.0	30.000	150.000	C		10.000	G			58	10.000
	BUY53A	NS 605	3	TIL	100	100	8.0	30.000	150.000	C		10.000	G			58	10.000
	BUY54	NS 651	61	TIL	100	100	8.0	30.000	150.000	C		10.000	G			58	15.000
	BUY54A	NS 605	3	TIL	100	100	8.0	30.000	150.000	C		10.000	G			58	15.000
	C9080	PS 210	5	CRY		30	30	5.0	.100	.400	A	200J	.008	E	10NA	25	60	.001
	C9081	PS 210	5	CRY		30	30	5.0	.100	.400	A	200J	.008	E	10NA	25	120	.001
	C9082	PS 210	18	CRY		30	30	5.0	.100	.400	A	200J	.005	E	10NA	25	60	.001
	C9083	PS 210	18	CRY		30	30	5.0	.100	.400	A	200J	.008	E	10NA	25	120	.001
	C9084	PS 210	46	CRY		30	30	5.0	.100	.400	A	200J	.005	E	10NA	25	60	.001
	C9085	PS 210	46	CRY		30	30	5.0	.100	.400	A	200J	.008	E	10NA	25	120	.001
-	CA2D2	PG 427 A		MHR		20		12.0	3.500	32.000	A	95A	.005	E	4MA	20	40	
	CDT1309	PG 605	3	KSC		40	35S	10.0	3.000	45.000	C	100J						
	CDT1310	PG 605	3	KSC		40	35S	35.0	5.000	45.000	C	100J	.008	E			70	2.000
	CDT1311	PG 605	3	KSC		60	50S	35.0	5.000	45.000	C	100J	.008	E			70	2.000
	CDT1312	PG 605	3	KSC		80	60S	35.0	5.000	45.000	C	100J	.008	E			70	2.000
	CDT1313	PG 605	3	KSC		100	70S	35.0	5.000	45.000	C	100J	.008	E			70	2.000
	CDT1315	PG 605	3	KSC		100	75S		8.000	45.000	C	100J					98	2.000
	CDT1319	PG 605	3	KSC		40	35S	35.0	5.000	45.000	C	100J	.006	E			90	2.000
	CDT1320	PG 605	3	KSC		60	50S	35.0	5.000	45.000	C	100J	.006	E			35	2.000
	CDT1321	PG 605	3	KSC		80	65S	35.0	5.000	45.000	C	100J	.006	E			35	2.000
	CDT1322	PG 605	3	KSC		100	75S	35.0	5.000	45.000	C	100J	.006	E			35	2.000
-	CK4	PG 110 A		RAY		25	24	12.0	.100	.080	A	85J	40.000	B	5UA	12	60	
-	CK4A	PG 110 B		RAY		25	24	12.0	.100	.080	A	85J	40.000	B	5UA	12	60	
-	CK13	PG 110 A		RAY		18	18		.200	.150	A	85J	3.000	B	2UA	12	25	
-	CK14	PG 110 A		RAY		15	15		.200	.150	A	85J	5.000	B	2UA	12	60	
-	CK16	PG 110 A		RAY		12	12		.200	.150	A	85J	10.000	B	2UA	12	80	
-	CK17	PG 110 A		RAY		10	10		.200	.150	A	85J	20.000	B	2UA	12	140	
-	CK22	PG 110 A		RAY		35	20	12.0	.100	.080	A	85J	1.200	B	6UA	20	90	
-	CK22A	PG 110 B		RAY		35	20	12.0	.100	.080	A	85J	1.200	B	6UA	20	90	
-	CK22B	PG 295 A		RAY		35	20	12.0	.100	.080	A	85J	1.200	B	6UA	20	90	
-	CK22C	PG 315 A		RAY		35	20	12.0	.100	.080	A	85J	1.200	B	6UA	20	90	
-	CK25	PG 110 A		RAY		20	20		.400	.150	A	85J	4.000	B	4UA	2	30	
-	CK26	PG 110 A		RAY		18	18		.400	.150	A	85J	6.000	B	4UA	2	40	
-	CK27	PG 110 A		RAY		15	15		.400	.150	A	85J	11.000	B	4UA	2	55	
-	CK28	PG 110 A		RAY		30	12	20.0	.400	.080	A	85J	10.000	B	41A	2	80	
-	CK28A	PG 110 B		RAY		30	12	20.0	.400	.080	A	85J	10.000	B	4UA	2	80	
-	CK64	PG 110 A		RAY		45	29	12.0	.400	.080	A	85J	.800	B	5UA	20	24	
-	CK65	PG 110 A		RAY		45	30	12.0	.400	.080	A	85J	1.000	B	5UA	20	44	
-	CK65A	PG 110 B		RAY		45	30	12.0	.400	.080	A	85J	1.000	B	5UA	20	44	
-	CK66	PG 110 A		RAY		35	20	12.0	.400	.080	A	85J	1.000	B	5UA	20	90	
-	CK66A	PG 110 B		RAY		35	20	12.0	.400	.080	A	85J	1.200	B	5UA	20	90	
-	CK67	PG 110 A		RAY		35	15	12.0	.400	.080	A	85J	1.500	B	5UA	20	180	
-	CK256	PG 100 B		RAY		30	15	30.0	3.000	20.000	C	85J	.004	E	1MA	30	50	
-	CK258	PG 100 B		RAY		60	30	60.0	3.000	20.000	C	85J	.004	E	1MA	60	42	
-	CK311	PG 426	13	RAY		80	80R	60.0	3.000	20.000	C	85J	.004	E	5MA	80	42	
-	CK312	PG 426	13	RAY		100	100R	60.0	3.000	20.000	C	85J	.004	E	5MA	100	42	
-	CK313	PG 426	13	RAY		120	120R	60.0	3.000	20.000	C	85J	.004	E	5MA	120	42	
-	CK314	PG 426	13	RAY		150	150R	60.0	3.000	20.000	C	85J	.004	E	5MA	150	42	
-	CK315	PG 426	13	RAY		200		60.0	3.000	20.000	C	85J	.004	E	5MA	200	42	
-	CK398	NS 210	5	RAY		120	120S	6.0	.050	.250	A	175J			500NA	30	40	
-	CK419	NS 210	5	RAY		50	40	5.0	.050	.250	A	160J	10.000	B	100NA	30	18	
-	CK420	NS 210	5	RAY		50	50	50.0	.050	.250	A	160J	10.000	B	100NA	30	300	
-	CK421	NS 210	5	RAY		50	50	50.0	.050	.250	A	160J	10.000	B	100NA	30	360	
-	CK422	NS 210	5	RAY		50	55	5.0	.050	.250	A	160J	10.000	B	100NA	30	25	
-	CK474	NS 210	5	RAY		50	40	5.0	.050	.250	A	160J	10.000	B	1UA	30	15	
-	CK475	NS 210	5	RAY		50	35	5.0	.050	.250	A	160J	10.000	B	1UA	30	28	
-	CK476	NS 210	5	RAY		50	30	5.0	.050	.250	A	160J	10.000	B	1UA	30	60	
-	CK477	NS 210	5	RAY		50	30	5.0	.050	.250	A	160J	10.000	B	1UA	30	25	
-	CK721	PG 5 C		RAY		15	15		.010	.180	A	85J	.800	B	6UA	20	22	
-	CK722	PG 5 C		RAY		22	22		.010	.180	A	85J	.600	B	6UA	20	45	
-	CK725	PG 5 C		RAY		24	12		.010	.200	A	75A	1.200	B	6UA	6	90	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff			Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}			h_{FE} @ I_C(A)	
-	CK727	PG 5 C		RAY	6			.010	.080	A	70A	.800	B	12UA	2		50	
-	CK751	PG 5 X		RAY	20	9		.100	.240	A	85J	1.200	B	6UA	20		40	
-	CK754	PG 5 D		RAY	10	10		.100	.100	A	85J	1.200	B	5UA	20		300	
	CK759			SEE 2N111														
	CK760			SEE 2N112														
	CK761			SEE 2N113														
	CK762			SEE 2N114														
	CK766			SEE 2N211														
-	CK768	PG 10 A		RAY	15	15		.100	.150	A	85J	2.500	B	1UA	12		20	
-	CK790	PS 10 A		RAY	45		22.0	.050	.200	A	135A	.200	B	200NA	20		15	
-	CK791	PS 10 A		RAY	30		22.0	.050	.200	A	135A	.200	B	200NA	20		24	
-	CK793	PS 10 A		RAY	30		22.0	.050	.200	A	135A	.200	B	200NA	20		20	
-	CK870	PG 5 A		RAY	20	20		.150	.130	A	85J	.500	B	6UA	20		12	
-	CK871	PG 5 A		RAY	15	15		.150	.130	A	85J	.600	B	6UA	20		20	
-	CK882	PG 10 A		RAY	24	24		.100	.150	A	85J	1.000	B	6UA	20		90	
-	CK888	PG 10 A		RAY	12	12		.100	.150	A	85J	1.400	B	6UA	20		140	
	CK942			SEE 2N1623														
	CQT940A	PG 605	3	KSC	100	85S	20.0	15.000	90.000	C	100J						30	
	CQT940B	PG 605	3	KSC	80	60S	60.0	15.000	90.000	C	100J						45	
	CQT940BA	PG 605	3	KSC	80	60S	60.0	15.000	90.000	C	100J						45	
	CQT1075	PG 605	3	KSC	140	70S	140.0	25.000	90.000	C	100J	.200	G				15	
	CQT1076	PG 605	3	KSC	115	60S	115.0	25.000	90.000	C	100J	.200	G				22	
	CQT1077	PG 605	3	KSC	100	45S	100.0	15.000	90.000	C	100J	.200	G				15	
	CQT1110	PG 605	3	KSC	40	30	10.0	5.000	90.000	C	100J	.250	G				110	1.000
	CQT1110A	PG 605	3	KSC	40	30	10.0	5.000	90.000	C	100J	.250	G				110	1.000
	CQT1111	PG 605	3	KSC	40	30	10.0	5.000	90.000	C	100J	.250	G				110	1.000
	CQT1111A	PG 605	3	KSC	40	30	10.0	5.000	90.000	C	100J	.250	G				110	1.000
	CQT1112	PG 605	3	KSC	30	30	20.0	10.000	90.000	C	100J	.250	G				150	1.000
	CRT1544	PG 607	41	KSC	60	40S	30.0	25.000	90.000	C	100J	.005	E				56	25.000
	CRT1545	PG 607	41	KSC	80	60S	30.0	25.000	90.000	C	100J	.005	E				56	25.000
	CRT1552	PG 607	41	KSC	40	30S	30.0	25.000	90.000	C	100J	.005	E				43	25.000
	CRT1553	PG 607	41	KSC	100	75S	30.0	25.000	90.000	C	100J	.005	E				43	25.000
-	CTP1111	PG 605	3	CLE	80	60S	45.0		45.000	C	95J	.004	E	5MA	80		45	
-	CTP1117	PG 605	3	CLE	40		10.0		40.000	C	90J	.300	B	2MA	40		100	
-	CTP1133	PG 605	3	CLE	40	40S	6.0		40.000	C	90J	.015	E	4MA	40		60	
-	CTP1135	PG 605	3	CLE	40	40S	20.0		40.000	C	90J	1.000	G	4MA	40		80	
-	CTP1136	PG 605	3	CLE	60	60S	20.0		40.000	C	90J	1.000	G	4MA	60		80	
	CTP1500	PG 605	3	KSC	100	80S	30.0	15.000	90.000	C	100J						48	5.000
	CTP1503	PG 605	3	KSC	80	70S	30.0	15.000	90.000	C	100J						48	5.000
	CTP1504	PG 605	3	KSC	60	50S	30.0	15.000	90.000	C	100J						48	5.000
	CTP1508	PG 605	3	KSC	40	40S	30.0	15.000	90.000	C	100J						48	5.000
	CTP1544	PG 605	3	KSC	60	30	30.0	25.000	75.000	C	100J	.004	E				56	25.000
	CTP1545	PG 605	3	KSC	80	40	30.0	25.000	75.000	C	100J	.004	E				56	25.000
	CTP1552	PG 605	3	KSC	40	20	30.0	25.000	75.000	C	100J	.004	E				56	25.000
	CTP1553	PG 605	3	KSC	100	50	30.0	25.000	75.000	C	100J	.004	E				56	25.000
	CTP3500	PG 607	41	KSC	100	80S	30.0	15.000	90.000	C	100J						48	5.000
	CTP3503	PG 607	41	KSC	80	70S	30.0	15.000	90.000	C	100J						48	5.000
	CTP3504	NG 607	41	KSC	60	50S	30.0	15.000	90.000	C	100J						48	5.000
	CTP3508	NG 607	41	KSC	40	40S	30.0	15.000	90.000	C	100J						48	5.000
	CTP3544	NG 607	41	KSC	60	40S	30.0	25.000	90.000	C	100J	.005	E				56	25.000
	CTP3545	NG 607	41	KSC	80	60S	30.0	25.000	90.000	C	100J	.005	E				56	25.000
	CTP3552	NG 607	41	KSC	40	30S	30.0	25.000	90.000	C	100J	.005	E				48	5.000
	CTP3553	NG 607	41	KSC	100	75S	30.0	25.000	90.000	C	100J	.005	E				48	5.000
-	D6C	NS 541	63	GEC	150	80	15.0	30.000	150.000	H	175J	LSSW		10MA	150		40	30.000
	D16G6	NS 45	98	GEC	30	12	3.0	.025	.200	A	100J	500.000	G	500NA	30		30	.005
-	D16K4	NS 45	98	GEC	30	30	4.0	.025	.200	A	100J	580.000	G	500NA	20		110	.005
-	D24A3391	NS 927 A		GEC	25	25	5.0	.100	.200	A	100J	120.000	G	100NA	25		376	.002
-	D24A3391A	NS 927 A		GEC	25	25	5.0	.100	.200	A	100J	120.000	G	100NA	25		376	.002
-	D24A3392	NS 927 A		GEC	25	25	5.0	.100	.200	A	100J	140.000	G	100NA	25		226	.002
-	D24A3393	NS 927 A		GEC	25	25	5.0	.100	.200	A	100J	140.000	G	100NA	25		136	.002
-	D24A3394	NS 927 A		GEC	25	25	5.0	.100	.200	A	100J	140.000	G	100NA	25		82	.002
-	D24A3900	NS 927 A		GEC	18	18	5.0	.100	.200	A	100J	160.000	G	100NA	18		376	.002
-	D24A3900A	NS 927 A		GEC	18	18	5.0	.100	.200	A	100J	160.000	G	100NA	18		376	.002
	D26B1	NS 132 A		GEC	40	15	4.5		.090	A	100J	400.000	G	400NA	20		36	.010
	D26B2	NS 132 A		GEC	40	15	4.5		.090	A	100J	500.000	G	400NA	20		70	.010
	D26C1	NS 132 A		GEC	25	25	5.0		.090	A	100J	MSSW		25NA	18		52	.010
	D26C2	NS 132 A		GEC	25	25	5.0		.090	A	100J	MSSW		25NA	18		104	.010
	D26C3	NS 132 A		GEC	25	25	5.0		.090	A	100J	MSSW		25NA	18		200	.010
	D26C4	NS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		375	.010
	D26C5	NS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		600	.010
	D26E-1	NS 132 A		GEC	45	45	5.0		.090	A	100J	80.000	G	10NA	45		300	.010
	D26E-2	NS 132 A		GEC	18	18	5.0		.090	A	100J	80.000	G	25NA	18		58	
	D26E-3	NS 132 A		GEC	18	18	5.0		.090	A	100J	80.000	G	25NA	18		110	
	D26E-4	NS 132 A		GEC	18	18	5.0		.090	A	100J	80.000	G	25NA	18		170	
	D26E-5	NS 132 A		GEC	18	18	5.0		.090	A	100J	80.000	G	25NA	18		226	
	D26E-6	NS 132 A		GEC	18	18	5.0		.090	A	100J	80.000	G	25NA	18		120	
	D26G-1	NS 132 A		GEC	30	15	3.0		.090	A	100J	600.000	G	10NA	15		40	.003
	D27C1			SEE D42C5														
	D27C2			SEE D42C4														
	D27C3			SEE D42C2														
	D27C4			SEE D42C1														
	D27D1			SEE D43C5														
	D27D2			SEE D43C4														
	D27D3			SEE D43C2														
	D27D4			SEE D43C1														
-	D28A05	NS 52 A		GEC	35	25	5.0	.500	1.000	A	150J	10.000	G	100NA	35		130	.002
-	D28A06	NS 52 A		GEC	35	25	5.0	.500	1.000	A	150J	10.000	G	100NA	35		314	.002
-	D28A12	NS 52 A		GEC	50	50	5.0	.500	1.000	A	150J	10.000	G	100NA	50		130	.002
-	D28A13	NS 52 A		GEC	50	50	5.0	.500	1.000	A	150J	10.000	G	100NA	50		314	.002
	D28D			SEE D40D														
	D28E			SEE D40N														
-	D29A04	NS 45	98	GEC, SPR	35	25	4.0	.500	.330	A	125J	140.000	G	100NA	35		70	.050
-	D29A05	NS 45	98	GEC, SPR	35	25	4.0	.500	.330	A	125J	140.000	G	100NA	35		176	.050
-	D29A06	NS 45	98	GEC	35	25	4.0	.500	.330	A	125J	140.000	G	100NA	35		376	.050
-	D29A07	NS 45	98	GEC	50	40	4.0	.500	.330	A	125J	140.000	G	100NA	50		70	.050
-	D29A08	NS 45	98	GEC	50	40	4.0	.500	.330	A	125J	140.000	G	100NA	50		176	.050
-	D29A09	NS 45	98	GEC	50	40	4.0	.500	.330	A	125J	140.000	G	100NA	50		376	.050
-	D29A10	NS 45	98	GEC	60	60	5.0	.500	.330	A	125J	140.000	G	50NA	60		70	.050
-	D29A11	NS 45	98	GEC	60	60	5.0	.500	.330	A	125J	140.000	G	50NA	60		176	.050
-	D29A12	NS 45	98	GEC	35	25	4.0	.500	.330	A	125J	140.000	G	100NA	35		376	.050
	D29E01	PS 45	98	GEC	35		5.0	.750	.500	A	135J	100.000	G	100NA	25		105	.002
	D29E01J1	PS 45 B		GEC	35	25	5.0	.750	.700	A	135J	100.000	G	100NA	25		105	.002
	D29E02	PS 45	98	GEC	35	25	5.0	.750	.500	A	135J	135.000	G	100NA	25		262	.002
	D29E02J1	PS 45 B		GEC	35	25	5.0	.750	.700	A	135J	135.000	G	100NA	25		262	.002
	D29E04	PS 45	98	GEC	50	40	5.0	.750	.500	A	135J	100.000	G	100NA	25		90	.002
	D29E04J1	PS 45 B		GEC	50	40	5.0	.750	.700	A	135J	100.000	G	100NA	25		90	.002
	D29E05	PS 45	98	GEC	50	40	5.0	.750	.500	A	135J	125.000	G	100NA	25		150	.002
	D29E05J1	PS 45 B		GEC	50	40	5.0	.750	.700	A	135J	120.000	G	100NA	25		150	.002
	D29E06	PS 45	98	GEC	50	40	5.0	.750	.500	A	135J	135.000	G	100NA	25		225	.002
	D29E06J1	PS 45 B		GEC	50	40	5.0	.750	.700	A	135J	135.000	G	100NA	25		225	.002
	D29E07	PS 45	98	GEC	50	40	5.0	.750	.500	A	135J	150.000	G	100NA	25		375	.002
	D29E07J1	PS 45 B		GEC	50	40	5.0	.750	.700	A	135J	150.000	G	100NA	25		375	.002
	D29E08	PS 45	98	GEC	70	60	5.0	.750	.500	A	135J	80.000	G	100NA	25		60	.002
	D29E08J1	PS 45 B		GEC	70	60	5.0	.750	.700	A	135J	80.000	G	100NA	25		60	.002
	D29E09	PS 45	98	GEC	70	60	5.0	.750	.500	A	135J	100.000	G	100NA	25		90	.002
	D29E09J1	PS 45 B		GEC	70	60	5.0	.750	.700	A	135J	100.000	G	100NA	25		90	.002
	D29E10	PS 45	98	GEC	70	60	5.0	.750	.500	A	135J	120.000	G	100NA	25		150	.002
	D29E10J1	PS 45 B		GEC	70	60	5.0	.750	.700	A	135J	120.000	G	100NA	25		150	.002
	D30A1	PS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		52	.010
	D30A2	PS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		104	.010
	D30A3	PS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		200	.010
	D30A4	PS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		375	.010
	D30A5	PS 132 A		GEC	25	25	4.0		.090	A	100J			25NA	18		600	.010
	D31B			SEE D41D														
	D33D21	NS 45	98	GEC	35	25	5.0	.750	.500	A	135J	100.000	G	100NA	25		105	.002
	D33D21J1	NS 45 B		GEC	35	25	5.0	.750	.700	A	135J	100.000	G	100NA	25		105	.002
	D33D22	NS 45	98	GEC	35	25	5.0	.750	.500	A	135J	135.000	G	100NA	25		262	.002
	D33D22J1	NS 45 B		GEC	35	25	5.0	.750	.700	A	135J	135.000	G	100NA	25		262	.002
	D33D24	NS 45	98	GEC	50	40K		.750	.500	A	135J	100.000	G	100NA	25		90	.002

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}	Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			
	D33D24J1	NS 45 B		GEC	50	40	5.0	.750	.700	A	135J		100.000 G	100NA 25	90 .002
	D33D25	NS 45	98	GEC	50	40K		.750	.500	A	135J		120.000 G	100NA 25	150 .002
	D33D25J1	NS 45 B		GEC	50	40	5.0	.750	.700	A	135J		120.000 G	100NA 25	150 .002
	D33D26	NS 45	98	GEC	50	40K		.750	.500	A	135J		135.000 G	100NA 25	225 .002
	D33D26J1	NS 45 B		GEC	50	40	5.0	.750	.700	A	135J		135.000 G	100NA 25	225 .002
	D33D27	NS 45	98	GEC	50	40K		.750	.500	A	135J		150.000 G	100NA 25	375 .002
	D33D27J1	NS 45 B		GEC	50	40	5.0	.750	.700	A	135J		150.000 G	100NA 25	375 .002
	D33D28	NS 45	98	GEC	70	60	5.0	.750	.500	A	135J		80.000 G	100NA 25	60 .002
	D33D28J1	NS 45 B		GEC	70	60	5.0	.750	.700	A	135J		80.000 G	100NA 25	60 .002
	D33D29	NS 45	98	GEC	70	60	5.0	.750	.500	A	135J		100.000 G	100NA 25	90 .002
	D33D29J1	NS 45 B		GEC	70	60	5.0	.750	.700	A	135J		100.000 G	100NA 25	90 .002
	D33D30	NS 45	98	GEC	70	70	5.0	.750	.500	A	135J		120.000 G	100NA 25	150 .002
	D33D30J1	NS 45 B		GEC	70	60	5.0	.750	.700	A	135J		120.000 G	100NA 25	150 .002
	D40D1	NS 52 A		GEC		45S	5.0	1.000	6.000	C	150C		200.000 G	100NA 45	88 .100
	D40D2	NS 52 A		GEC		45S	5.0	1.000	6.000	C	150C		200.000 G	100NA 45	210 .100
	D40D3	NS 52 A		GEC		45S	5.0	1.000	6.000	C	150C		200.000 G	100NA 45	440 .100
	D40D4	NS 52 A		GEC		60S	5.0	1.000	6.000	C	150C		200.000 G	100NA 60	88 .100
	D40D5	NS 52 A		GEC		60S	5.0	1.000	6.000	C	150C		200.000 G	100NA 60	210 .100
	D40D7	NS 52 A		GEC		75S	5.0	1.000	6.000	C	150C		200.000 G	100NA 75	88 .100
	D40D8	NS 52 A		GEC		75S	5.0	1.000	6.000	C	150C		200.000 G	100NA 75	210 .100
	D40N1	NS 52 A		GEC		25R	5.0	.100	6.250	C	150C		50.000 G	10UA 250	60 .020
	D40N3	NS 52 A		GEC		30R	5.0	.100	6.250	C	150C		50.000 G	10UA 300	60 .020
	D41D1	PS 52 A		GEC		45S	5.0	1.000	6.000	C	150J		150.000 G	100NA 45	88 .100
	D41D2	PS 52 A		GEC		45S	5.0	1.000	6.000	C	150J		150.000 G	100NA 45	195 .100
	D41D4	PS 52 A		GEC		60S	5.0	1.000	6.000	C	150J		150.000 G	100NA 60	88 .100
	D41D5	PS 52 A		GEC		60S	5.0	1.000	6.000	C	150J		150.000 G	100NA 60	210 .100
	D41D7	PS 52 A		GEC		75S	5.0	1.000	6.000	C	150J		150.000 G	100NA 75	88 .100
	D41D8	PS 52 A		GEC		75S	5.0	1.000	6.000	C	150J		150.000 G	100NA 75	210 .100
	D42C1	NS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		50.000 G	10UA 45	38 .200
	D42C2	NS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		50.000 G	10UA 45	70 .200
	D42C3	NS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		50.000 G	10UA 45	70 .200
	D42C4	NS 52 A		GEC		60S	5.0	3.000	12.500	C	150J		50.000 G	10UA 60	38 .200
	D42C5	NS 52 A		GEC		60S	5.0	3.000	12.500	C	150J		50.000 G	10UA 60	70 .200
	D42C7	NS 52 A		GEC		75S	5.0	3.000	12.500	C	150J		50.000 G	10UA 75	38 .200
	D42C8	NS 52 A		GEC		75S	5.0	3.000	12.500	C	150J		50.000 G	10UA 75	70 .200
	D43C1	PS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		40.000 G	10UA 45	38 .200
	D43C2	PS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		40.000 G	10UA 45	70 .200
	D43C3	PS 52 A		GEC		45S	5.0	3.000	12.500	C	150J		40.000 G	10UA 45	70 .200
	D43C4	PS 52 A		GEC		60S	5.0	3.000	12.500	C	150J		40.000 G	10UA 60	38 .200
	D43C5	PS 52 A		GEC		60S	5.0	3.000	12.500	C	150J		40.000 G	10UA 60	70 .200
	D43C7	PS 52 A		GEC		75S	5.0	3.000	12.500	C	150J		40.000 G	10UA 75	38 .200
	D43C8	PS 52 A		GEC		75S	5.0	3.000	12.500	C	150J		40.000 G	10UA 75	70 .200
	D44C1	NS 54 D		GEC		40S	5.0	4.000	30.000	C	150J		50.000 G	10UA 40	37 .200
	D44C2	NS 54 D		GEC		40S	5.0	4.000	30.000	C	150J		50.000 G	10UA 40	70 .200
	D44C3	NS 54 D		GEC		40S	5.0	4.000	30.000	C	150J		50.000 G	10UA 40	70 .200
	D44C4	NS 54 D		GEC		55S	5.0	4.000	30.000	C	150J		50.000 G	10UA 55	37 .200
	D44C5	NS 54 D		GEC		55S	5.0	4.000	30.000	C	150J		50.000 G	10UA 55	70 .200
	D44C6	NS 54 D		GEC		55S	5.0	4.000	30.000	C	150J		50.000 G	10UA 55	70 .200
	D44C7	NS 54 D		GEC		70S	5.0	4.000	30.000	C	150J		50.000 G	10UA 70	37 .200
	D44C8	NS 54 D		GEC		70S	5.0	4.000	30.000	C	150J		50.000 G	10UA 70	70 .200
	D45C1	PS 54 D		GEC		40S	5.0	4.000	27.000	C	150J		40.000 G	10UA 40	37 .200
	D45C2	PS 54 D		GEC		40S	5.0	4.000	27.000	C	150J		40.000 G	10UA 40	70 .200
	D45C3	PS 54 D		GEC		40S	5.0	4.000	27.000	C	150J		40.000 G	10UA 40	70 .200
	D45C4	PS 54 D		GEC		55S	5.0	4.000	27.000	C	150J		40.000 G	10UA 55	37 .200
	D45C5	PS 54 D		GEC		55S	5.0	4.000	27.000	C	150J		40.000 G	10UA 55	70 .200
	D45C6	PS 54 D		GEC		55S	5.0	4.000	27.000	C	150J		40.000 G	10UA 55	70 .200
	D45C7	PS 54 D		GEC		70S	5.0	4.000	27.000	C	150J		40.000 G	10UA 70	37 .200
	D45C8	PS 54 D		GEC		70S	5.0	4.000	27.000	C	150J		40.000 G	10UA 70	70 .200
	DA3F3	PG 480 A		SOL	60	35		10.000	187.000	C	100J		.100 G	20MA 60	50 10.000
	DPT657	SEE 2N2887													
	DS25	PG 120	1	DEL	32			.005	.080	A			AUD		
	DS26	PG 120	1	DEL	60			.020	.250	A			AUD		
	DS41	PG 75		DEL	20			.010	.080	A			FM AMP		
	DS56	PG		DEL	30		1.5	.010	.080	A			FM AMP		
	DS66	NS 210		DEL	16		1.0	.100	.500	A			AUD		
	DS71	NS 45		DEL	30		4.0	.010	.200	A			RF AMP		
	DS72	NS 45		DEL	30		4.0	.010	.200	A			RF AMP		
	DS74	NS 45		DEL	20		4.0	.050	.200	A			FM AMP		
	DS76	NS 45		DEL	16		1.0	.100	.420	A			AUD		
	DS81	NS 45		DEL	12		3.0	.050	.180	A			FM AMP		
	DS83	PS 43		DEL	40		4.0	.200	.300	A			AUD		
	DS501	PG 405	36	DEL	50		30.0	15.000	60.000	C			AUD		
	DS503	PG 605	3	DEL	60		20.0	5.000	60.000	C			AUD		
	DS509	NS 605	3	DEL	200		5.0	3.500	80.000	C					
	DS520	PG 605	3	DEL	40		20.0	5.000	60.000	C			AUD		
	DS525	PG 405	36	DEL	40		20.0	15.000	60.000	C			AUD		
	DTG110	PG 605	3	DEL	40	40R	20.0	7.000					.320 G	2MA 40	136 1.000
	DTG110A	PG 605	3	DEL		110X	2.8	25.000					.850 G	20MA 110	125 1.000
	DTG110B	PG 605	3	DEL		90X	2.0	25.000					.850 G	20MA 90	140 1.000
	DTG600	PG 605	3	DEL	75	50	1.0	25.000					.850 G	20MA 75	75 5.000
	DTG601	PG 605	3	DEL	75	60	1.0	25.000					.850 G	20MA 75	75 5.000
	DTG602	PG 605	3	DEL	90	70	1.0	25.000					.850 G	20MA 90	75 5.000
	DTG603	PG 605	3	DEL	90	80	1.0	25.000					.850 G	20MA 90	75 5.000
	DTG603M	PG 605	3	DEL		90X	1.4	15.000					.850 G	20MA 90	112 5.000
	DTG1010	PG 605	3	DEL		325X	1.0	15.000					.250 G	10MA 325	
	DTG1110	PG 605	3	DEL		200X	1.0	15.000					.450 G	15MA 200	
	DTG1200	PG 605	3	DEL		120	1.0	15.000					.350 G	10MA 120	34 8.000
	DTG2000	PG 605	3	DEL		60X	1.0	25.000					.350 G	10MA 60	37 8.000
	DTG2100	PG 605	3	DEL		80X	1.0	25.000					.350 G	10MA 80	37 8.000
	DTG2200	PG 605	3	DEL		100X	1.0	25.000					.350 G	10MA 100	37 8.000
	DTG2300	PG 605	3	DEL		120X	1.0	25.000					.350 G	10MA 120	37 8.000
	DTG2400	PG 605	3	DEL		140X	1.0	25.000					.350 G	10MA 140	37 8.000
	DTG2400M	PG 605	3	DEL		140X	1.5	25.000					.350 G	10MA 140	55 10.000
	DTS103	NS 605	3	DEL		80X	5.0	15.000	125.000	C	150J		4.000 G	500UA 80	34 5.000
	DTS104	NS 605	3	DEL		80X	5.0	15.000	125.000	C	150J		4.000 G	500UA 80	80 5.000
	DTS105	NS 605	3	DEL		100X	5.0	15.000	125.000	C	150J		4.000 G	500UA 100	34 5.000
	DTS106	NS 605	3	DEL		110X	5.0	15.000	125.000	C	150J		4.000 G	500UA 110	34 5.000
	DTS107	NS 605	3	DEL		120X	5.0	15.000	125.000	C	150J		4.000 G	500UA 120	34 5.000
	DTS401	NS 605	3	DEL		400	5.0	2.000						500UA 400	45 .500
	DTS402	NS 605	3	DEL		400	5.0	3.500						500UA 400	
-	DTS410	NS 605	3	DEL	200	200	5.0	3.500	80.000	H	150J		4.000 G	250UA 200	52 1.000
	DTS411	NS 605	3	DEL	300	300	5.0	3.500	100.000	H	150J		5.000 G	500UA 300	52 1.000
	DTS413	NS 605	3	DEL	400	400	5.0	2.000	75.000	H	150J		5.000 G	500UA 400	40 .500
	DTS423	NS 605	3	DEL	400	400	5.0	3.500	100.000	H	150J		6.000 G	500UA 400	52 1.000
	DTS423M	NS 605	3	DEL	400	400	5.0	3.500	100.000	C	150J		3.000 G	250UA 400	50 1.000
	DTS424	NS 605	3	DEL		500	5.0	3.500					4.000 G	250UA 500	52 1.000
	DTS425	NS 605	3	DEL		500	5.0	3.500					4.000 G	250UA 500	52 1.000
	DTS430	NS 605	3	DEL	400	400	5.0	5.000			150J		4.000 G	3MA 400	26 2.500
	DTS431	NS 605	3	DEL	400	400	5.0	5.000			150J		4.000 G	3MA 400	26 2.500
	DTS431M	NS 605	3	DEL		400	5.0	5.000					4.000 G	3MA 400	24 2.500
	ECG100	PG 210	5	SYL	25	20R	20.0	.300	.150	A			5.000 B		40
	ECG101	NG 210	5	SYL	25	20R	20.0	.300	.150	A			5.000 B		40
	ECG102	PG 210	5	SYL	30	16R	20.0	.250	.150	A			2.000 B		90
	ECG102A	PG 120	1	SYL	32	32S	10.0	.200	.900	A			2.300 G		120
	ECG103	NG 210	5	SYL	30	16R	20.0	.250	.150	A			2.000 B		90
	ECG103A	NG 120	1	SYL	32	32S	10.0	.500	.340	A			2.500 G		105
	ECG104	PG 605	3	SYL	50	35R	20.0	5.000	90.000	C			.010 B		90
	ECG105	PG 405	36	SYL	50	35R	20.0	15.000	100.000	C			.010 B		90
	ECG106	PS 210	18	SYL	35	15	1.0	.075	.250	A			500.000 G		30
	ECG107	NS 43	92	SYL	35	15	1.0	.075	.250	A			1100.000 G		30
	ECG108	NS 170 F		SYL	35	15	.5	.075	.250	A			800.000 G		15
	ECG121	PG 605	3	SYL	65	45R	15.0	7.000	90.000	C			.022 E		80
	ECG123	NS 211	5	SYL	50	20	5.0	.500	.500	A			50.000 G		180
	ECG123A	NS 211	18	SYL	55	40	6.0	.600	.500	A			200.000 G		200
	ECG124	NS 605	66	SYL	300	300	2.0	.400	10.000	C			30.000 G		140
	ECG126	PG 105	24	SYL	25	25	2.0	.200	.200	A			250.000 G		60
	ECG127	PG 605	3	SYL	350	350S	2.0	10.000	56.000	C			1.000 G		23
	ECG128	NS 210	5	SYL	110	80	7.0	1.000	1.000	A			120.000 G		90
	ECG129	PS 210	5	SYL	110	80	7.0	1.000	1.000	A			120.000 G		90

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	ECG130	NS 605	3	SYL	80	60R	5.0	15.000	115.000	C	.800	B			40	
	ECG131	PG 605	66	SYL	32	20	10.0	3.000	6.000	H	1.000	G			110	
	ECG152	NS 53 A		SYL	60	60	5.0	3.000	40.000	C	1103.000	G			60	
	ECG153	PS 53 A		SYL	60	60	5.0	3.000	40.000	C	1103.000	G			60	
	ECG154	NS 211	39	SYL	300	300	7.0	.050	7.000	C	1140.000	G			100	
	ECG155	NG 605	66	SYL	32	20	10.0	3.000	7.500	C	1101.000	G			110	
	ECG157	NS 48 A		SYL	300	300	3.0	.500	50.800	C	1140.000	G			45	
	ECG158	PG 120	1	SYL	32	32	10.0	1.000	1.600	A	1101.500	G			90	
	ECG159	PS 170 F		SYL	80	80	5.0	.500	.500	A	1100.000	G			180	
	ECG160	PG 217	72	SYL	30	20S	.5	.200	.200	A	1100.000	G			60	
	ECG161	NS 217	104	SYL	45	45	4.5	.050	.180	A	1100.000	G			100	
	ECG162	NS 605	3	SYL							VER AMP					
	ECG163	NS 605	3	SYL							HOR AMP					
	ECG164	NS 605	3	SYL							VER AMP					
	ECG165	NS 605	3	SYL							HOR AMP					
	ECG171	NS 52 A		SYL	300	300	5.0	.100	6.250	A	75.000	G			30	
	ECG175	NS 605	66	SYL	200	110R	7.0	4.000	40.000	C	15.000	G			80	
	ECG176	PG 211	39	SYL	25	25	6.0	2.000	6.000	C	.700	G			110	
	ECG179	PG 605	3	SYL	90	90X	3.0	25.000	105.000	C	.350	G			80	
	ECG180	PS 605	3	SYL	100	100R	4.0	30.000	200.000	C	2.000	G			38	
	ECG181	NS 605	3	SYL	100	100R	4.0	30.000	200.000	C	2.000	G			38	
	ECG182	NS 48 B		SYL	80	80	4.0	10.000	90.000	C	2.000	G			45	
	ECG183	PS 48 B		SYL	80	80	4.0	10.000	90.000	C	2.000	G			45	
	ECG184	NS 48 A		SYL	60	60	5.0	4.000	40.000	C	2.000	G			45	
	ECG185	PS 48 A		SYL	60	60	5.0	4.000	40.000	C	2.000	G			45	
	ECG186	NS 59 A		SYL	60	60	5.0	3.000	12.500	C	50.000	G			80	
	ECG187	PS 59 A		SYL	60	60	5.0	3.000	12.500	C	50.000	G			80	
	ECG188	NS 49 A		SYL	80	80	4.0	1.000	5.000	C	50.000	G			75	
	ECG189	PS 49 A		SYL	80	80	4.0	1.000	5.000	C	50.000	G			75	
	ECG190	NS 49 A		SYL	180	180	5.0	1.000	8.000	C	100.000	G			60	
	ECG191	NS 49 A		SYL	300	300	8.0	1.000	8.000	C	60.000	G			60	
	EN10	NS 210	18	SEM	25	15	4.0	.100	.100	A	1100.000	G			350	
	EN30	NS 210	18	SEM	30	20	4.0	.300	.300	A	1100.000	G			350	
	EN40	NS 41	92	SEM	30	20	4.0	.300	.300	A	1100.000	G			350	
	EN697	NS 173	105	FSC	60	30	5.0		.300	A 125J	50.000	G	1UA	30	70	.150
	EN706	NS 173	106	FSC	25	15	5.0		.200	A 125J	300.000	G	1NA	15	60	.010
	EN708	NS 173	106	FSC	40	15	5.0		.200	A 125J	300.000	G	50NA	20	60	.010
	EN718A	NS 173	106	FSC	75	40	7.0		.220	A 125J	60.000	G	50NA	60	70	.150
	EN722	PS 173	106	FSC	50	35	5.0		.200	A 125J	60.000	G	1UA	30	52	.150
	EN744	NS 173	106	FSC	20	12	5.0	.200	.200	A 125J	900.000	G	1UA	20	70	.010
	EN870	NS 173	106	FSC	100	60	7.0		.200	A 125J	50.000	G	100NA	75	70	.150
	EN871	NS 173	106	FSC	100	60	7.0		.230	A 125J	60.000	G	100NA	75	175	.150
	EN914	NS 173	106	FSC	40	15	5.0		.200	A 125J	300.000	G	100NA	20	60	.010
	EN915	NS 173	106	FSC	70	50	5.0		.200	A 125J	250.000	G	50NA	60	100	.010
	EN916	NS 173	106	FSC	45	25	5.0		.200	A 125J	300.000	G	50NA	30	100	.010
	EN918	NS 173	106	FSC	30	15	3.0	.050	.200	A 125J	600.000	G	50NA	15	40	.003
	EN930	NS 173	106	FSC	45	45	5.0	.030	.200	A 125J	30.000	G	50NA	45	175	.001
	EN956	NS 173	106	FSC	75	40	7.0		.220	A 125J	60.000	G	50NA	60	175	.150
	EN1132	PS 173	105	FSC	50	35	5.0		.300	A 125J	60.000	G	1UA	30	52	.150
	EN1613	NS 173	105	FSC	75	40	7.0		.300	A 125J	60.000	G	50NA	60	100	.150
	EN1711	NS 173	105	FSC	75	40	7.0		.300	A 125J	60.000	G	50NA	60	100	.150
	EN2219	NS 173	105	FSC	60	30	5.0	.800	.350	A 125J	250.000	G	50NA	50	175	.150
	EN2222	NS 173	106	FSC	60	30	5.0	.800	.200	A 125J	250.000	G	50NA	50	175	.150
	EN2369A	NS 173	106	FSC	40	15	4.5	.200	.200	A 125J	500.000	G	400NA	20	60	.010
	EN2484	NS 173	106	FSC	60	60	6.0	.050	.200	A 125J	30.000	G	50NA	45	225	.001
	EN2894A	PS 173	106	FSC	12	12	4.5		.200	A 125J	800.000	G	50NA	10	55	.100
	EN2905	PS 173	105	FSC	60	40	5.0	.600	.300	A 125J	150.000	G	50NA	50	175	.150
	EN2907	PS 173	106	FSC	60	40	5.0	.600	.200	A 125J	150.000	G	50NA	50	175	.150
	EN3009	NS 173	106	FSC	40	15	4.0		.200	A 125J	350.000	G	500NA	20	60	.030
	EN3011	NS 173	106	FSC	30	12	5.0		.200	A 125J	400.000	G	400NA	20	60	.010
	EN3013	NS 173	106	FSC	40	15	5.0		.200	A 125J	350.000	G	300NA	20	60	.030
	EN3014	NS 173	106	FSC	40	20	5.0		.200	A 125J	350.000	G	300NA	20	60	.030
	EN3250	PS 173	106	FSC	40	40	5.0	.100	.200	A 125J	250.000	G	50NA	40	88	.010
	EN3502	PS 173	106	FSC	45	45	5.0	.600	.300	A 125J	150.000	G	10NA	30	175	.150
	EN3504	PS 173	106	FSC	45	45	5.0	.600	.200	A 125J	150.000	G	10NA	30	175	.150
	EN3962	PS 173	106	FSC	60	60	6.0	.060	.200	A 125J	40.000	G	50NA	50	260	.050
	EP20	PS 210	18	SEM	25	15	4.0	.100	.100	A	1100.000	G			350	
	EP25	PS 210	18	SEM	30	20	4.0	.300	.300	A	1100.000	G			350	
	EP35	PS 41	92	SEM	30	20	4.0	.300	.300	A	1100.000	G			350	
	ES3110	PG 105 A		EBA	30	15		.010	.054	C 65J	.300	B	6UA	10	12	
	ES3111	PG 105 A		EBA	30	15		.010	.054	C 65J	.400	B	6UA	10	18	
	ES3112	PG 105 A		EBA	30	15		.010	.054	C 65J	.600	B	6UA	10	28	
	ES3113	PG 105 A		EBA	30	15		.010	.054	C 65J	.800	B	6UA	10	40	
	ES3114	PG 105 A		EBA	30	15		.010	.054	C 65J	1.000	B	6UA	10	58	
	ES3115	PG 105 A		EBA	30	15		.010	.054	C 65J	1.500	B	6UA	10	84	
	ES3116	PG 105 A		EBA	30	15		.010	.054	C 65J	2.000	B	6UA	10	124	
	ES3120	PG 210	5	EBA	30	15		.010	.069	C 65J	.300	B	6UA	10	12	
	ES3121	PG 210	5	EBA	30	15		.010	.069	C 65J	.400	B	6UA	10	18	
	ES3122	PG 210	5	EBA	30	15		.010	.069	C 65J	.600	B	6UA	10	28	
	ES3123	PG 210	5	EBA	30	15		.010	.069	C 65J	.800	B	6UA	10	40	
	ES3124	PG 210	5	EBA	30	15		.010	.069	C 65J	1.000	B	6UA	10	56	
	ES3125	PG 210	5	EBA	30	15		.010	.069	C 65J	1.500	B	6UA	10	80	
	ES3126	PG 210	5	EBA	30	15		.010	.069	C 65J	2.000	B	6UA	10	120	
	ET110	PG 210	5	ETC	50	18	50.0	.100	.200	A 85J	5.000	B	8UA	30		
	ET670	PG 210	5	ETC	40	40	5.0	1.500	.250	A 85J	.500	B	50UA	12	100	1.000
-FK914		NS 925 A		FSC	40	15	5.0		.175	A 200J	300.000	G	25NA	20	55	.010
-FK918		NS 925 A		FSC	30	15	3.0	.050	.175	A 200J	600.000	G	10NA	15	50	.003
-FK2369A		NS 925 A		FSC	40	15	4.5	.100	.175	A 200J	500.000	G	30UA	20	66	.010
-FK2484		NS 925 A		FSC	60	60	6.0	.050	.175	A 200J	60.000	G	10NA	45	290	
-FK2894		PS 925 A		FSC	12	12	4.0		.175	A 200J	350.000	G	10UA	6	76	.030
-FK3014		NS 925 A		FSC	40	20	5.0		.175	A 200J	300.000	G	300NA	20	60	.030
-FK3299		NS 925 A		FSC	60	30	5.0		.175	A 200J	200.000	G	10NA	50	75	.150
-FK3300		NS 925 A		FSC	60	30	5.0		.175	A 200J	200.000	G	10NA	50	220	.150
-FK3502		PS 925 A		FSC	45	45	5.0	.500	.175	A 200J	150.000	G	10NA	30	150	.150
-FK3503		PS 925 A		FSC	60	60	5.0	.500	.175	A 200J	150.000	G	10NA	50	150	.150
-FM870		NS 211	46	FSC	100	60	7.0		.375	A 200A	50.000	G	10NA	75	80	
-FM871		NS 211	46	FSC	100	60	7.0		.375	A 200A	60.000	G	10NA	75	160	
	FT19H			SEE 2N3963												
	FT19M			SEE 2N3963												
-FT34A		NS 561	59	FSC	150	80	6.0		15.000	C 200J	800.000	G	10UA	75	85	2.000
-FT34B		NS 561	59	FSC	120	60	6.0		15.000	C 200J	800.000	G	10UA	60	210	2.000
-FT34C		NS 211	5	FSC	150	80	6.0		.800	A 200J	800.000	G	10UA	75	85	2.000
-FT34D		NS 211	5	FSC	120	60	6.0		.800	A 200J	800.000	G	10UA	60	210	2.000
	FT40			SEE 2N4251												
	FT45			SEE 2N4134												
	FT107A	NS 211	18	FSC	30	30	8.0	.050	.260	A 150J	200.000	G	2NA	20	540	.010
	FT107B	NS 211	18	FSC	45	45	8.0	.050	.260	A 150J	150.000	G	2NA	30	950	.010
	FT107C	NS 211	18	FSC	60	60	8.0	.050	.260	A 150J	100.000	G	2NA	45	310	.010
	FT207A			SEE 2N4115												
	FT207B			SEE 2N4116												
-FT400A		PS 560	59	FSC	80	80	5.0		30.000	C 200J	120.000	G	50UA	40	180	2.000
-FT400B		PS 560	59	FSC	80	80	5.0		30.000	C 200J	80.000	G	50UA	40	70	2.000
-FT709		NS 211	18	FSC	15	6	4.0		.300	A 200A	600.000	G	50NA	5	70	
-FT1341		NS 211	18	FSC	25	10	5.0		.360	A 200J	300.000	G	100NA	30	60	
	FT1702			SEE 2N4208												
	FT1746	PS 211	18	FSC	35	30	4.0		.360	A 200J	100.000	G	5NA	15	40	
	FT3567	NS 173	105	FSC	80	40	5.0		.500	A 125J	60.000	G	50NA	40	80	.150
	FT3568	NS 173	105	FSC	80	60	5.0		.500	A 125J	60.000	G	50NA	40	80	.150
	FT3569	NS 173	105	FSC	80	40	5.0		.500	A 125J	60.000	G	50NA	40	150	.150
	FT3641	NS 173	105	FSC	60	30	5.0		.450	A 125J	250.000	G	50NA	50	75	.150
	FT3642	NS 173	105	FSC	60	45	5.0		.450	A 125J	250.000	G	50NA	50	75	.150
	FT3643	NS 173	105	FSC	60	30	5.0		.450	A 125J	250.000	G	50NA	50	220	.150
	FT3644	PS 173	105	FSC	60	60	5.0		.450	A 125J	200.000	G	35NA	30	150	.150
	FT3645	PS 173	105	FSC	45	45	5.0		.450	A 125J	200.000	G	35NA	50	150	.150
	FT3722	NS 173	105	FSC	80	60	6.0		.500	A 125J	300.000	G	500NA	40	70	.100
	FT5040	PS 173	105	FSC	25	25	4.0		.500	A 125J	80.000	G	50NA	15	75	.500
	FT5041	PS 173	105	FSC	40	40	5.0	.050	.500	A 125J	100.000	G	50NA	30	65	.500
-FT7202A		NS 560	59	FSC	120	80	8.0		30.000	C 200J	70.000	G	50UA	40	70	2.000
-FT7202B		NS 560	59	FSC	100	60	8.0		30.000	C 200J	70.000	G	50UA	30	70	2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
-	FV914	NS 911	51	FSC	40		5.0	.050	.175	A 200J	300.000	G	25NA	20	55	.010
-	FV918	NS 911	51	FSC	30		3.0	.100	.175	A 200J	600.000	G	10NA	15	50	.003
-	FV2369A	NS 911	51	FSC	40		4.5	.050	.175	A 200J	500.000	G	30UA	20	66	.010
-	FV2484	NS 911	51	FSC	60		6.0		.175	A 200J	60.000	G	10NA	45	290	
-	FV2894	PS 911	51	FSC	12		4.0		.175	A 200J	350.000	G	10UA	6	76	.030
-	FV3014	NS 911	51	FSC	40		5.0		.175	A 200J	300.000	G	300NA	20	60	.030
-	FV3299	NS 911	51	FSC	60		5.0		.175	A 200J	200.000	G	10NA	50	75	.150
-	FV3300	NS 911	51	FSC	60		5.0		.175	A 200J	200.000	G	10NA	50	220	.150
-	FV3502	PS 911	51	FSC	45		5.0	.500	.175	A 200J	150.000	G	10NA	30	150	.150
-	FV3503	PS 911	51	FSC	60		5.0	.500	.175	A 200J	150.000	G	10NA	50	150	.150
	FX709	NS 926	120	FSC	15	6	4.0		.210	A 175J	600.000	G	50NA	5	70	.010
	FX914	NS 926	120	FSC	40	15	5.0		.270	A 175J	300.000	G	25NA	20	55	.010
	FX918	NS 926	120	FSC	30	15	3.0	.050	.240	A 175J	600.000	G	10NA	15	50	.003
	FX2368	NS 926	120	FSC	40	15	4.5	.100	.240	A 175J	400.000	G	400NA	20	50	.010
	FX2369A	NS 926	120	FSC	40	15	4.5	.100	.240	A 175J	500.000	G	400NA	20	66	.010
	FX2483	NS 926	120	FSC	60	60	6.0	.050	.270	A 175J	60.000	G	10NA	45	230	.001
	FX2484	NS 926	120	FSC	60	60	6.0	.050	.270	A 175J	60.000	G	10NA	45	450	.001
	FX2894	PS 926	120	FSC	12	12	4.0		.240	A 175J	350.000	G	80NA	6	75	.030
	FX2894A	PS 926	120	FSC	12	12	4.5		.240	A 175J	500.000	G	50NA	10	55	.100
	FX3013	NS 926	120	FSC	40	15	5.0		.260	A 175J	300.000	G	300NA	20	60	.030
	FX3014	NS 926	120	FSC	40	20	5.0		.260	A 175J	350.000	G	300NA	20	60	.030
	FX3299	NS 926	120	FSC	60	30	5.0		.270	A 175J	200.000	G	10NA	50	75	.150
	FX3300	NS 926	120	FSC	60	30	5.0		.270	A 175J	250.000	G	10NA	50	220	.150
	FX3502	PS 926	120	FSC	45	45	5.0	.500	.270	A 175J	150.000	G	10NA	30	150	.150
	FX3503	PS 926	120	FSC	60	60	5.0	.500	.270	A 175J	150.000	G	10NA	50	150	.150
	FX3724	NS 926	120	FSC	50	30	6.0	1.000	.306	A 175J	250.000	G	10NA	50	150	.150
	FX3725	NS 926	120	FSC	80	50	6.0	1.000	.306	A 175J	240.000	G	2UA	40	90	.100
	FX3962	PS 926	120	FSC	60	60	6.0		.270	A 175J	240.000	G	2UA	60	90	.100
	FX3963	PS 926	120	FSC	80	80	6.0		.270	A 175J	40.000	G	10NA	50	260	.001
	FX3964	PS 926	120	FSC	45	45	6.0		.270	A 175J	40.000	G	10NA	70	330	.001
	FX3965	PS 926	120	FSC	60	60	6.0		.270	A 175J	40.000	G	10NA	40	260	.001
	FX4034	PS 926	120	FSC	40	40	5.0	.100	.240	A 175J	400.000	G	10NA	50	330	.001
	FX4046	NS 926	120	FSC	50	30	6.0	.500	.306	A 175J	240.000	G	15NA	30	150	.010
	FX4047	NS 926	120	FSC	80	50	6.0	.500	.306	A 175J	240.000	G	2UA	40	90	.100
	FX4207	PS 926	120	FSC	6	6	4.5	.050	.240	A 175J	650.000	G	2UA	60	90	.100
	FX4960	NS 926	120	FSC	60	60	6.5		.306	A 175J	200.000	G	10NA	30	100	.010
	GE-1	PG 210	5	GEC		12		.100	.150	A	RF AMP		10NA	50	180	.150
	GE-2	PG 210	5	GEC		20		.200	.200	A	AUD					
	GE-3	PG 605	3	GEC		50		3.000	25.000	C	AUD					
	GE-4	PG 405	36	GEC		50		12.000	50.000	C	AUD					
	GE-5	NG 210	5	GEC		12		.100	.150	A	RF AMP					
	GE-6	NG 10 H		GEC		15		.020	.065	A	RF AMP					
	GE-7	NG 10 H		GEC		15		.020	.065	A	IF AMP					
	GE-8	NG 210	5	GEC		20		.200	.150	A	AUD					
	GE-9	PG 217 F		GEC		12		.006	.080	A	FM IF					
	GE-10	NS 45	98	GEC		25		.100	.200	A	RF AMP					
	GE-11	NS 45	98	GEC		30		.025	.200	A	UHF AMP					
	GE-12	NS 605	66	GEC		300		.300	10.000	C	AUD					
	GE-14	NS 605	3	GEC		100		15.000	115.000	C	AUD					
	GE-16	PG 605	3	GEC		60		10.000	90.000	C	AUD					
	GE-17	NS 170 F		GEC		30		.100	.500	A	UHF AMP					
	GE-18	NS 210	5	GEC		80		.500	.800	A	AUD					
	GE-19	NS 605	3	GEC		50		4.000	90.000	C	AUD					
	GE-20	NS 210	18	GEC		25		.500	.500	A	50.000	G				
	GE-21	PS 210	5	GEC		25		.500	.500	A	50.000	G				
	GE-22	PS 170 F		GEC		25		.500	.500	A	100.000	G				
	GE-23	NS 605	66	GEC		40		2.000	15.000	C	AUD					
	GE-25	PG 605	3	GEC		325		10.000	50.000	C	HOR AMP					
	GE-26	PS 605	66	GEC	60	50		2.000	20.000	C	10.000	G			100	
	GE-27	NS 52		GEC	300	300R	5.0	.100	6.000	C	80.000	G			60	
	GE-28	NS 59 A		GEC		60S	5.0	3.000	12.000	C	50.000	G			80	
	GE-29	PS 59 A		GEC		60S	5.0	3.000	12.000	C	40.000	G			110	
	GE-30	PG 605	66	GEC	60	60	12.0	3.000	6.000	A	1.000	G			110	
	GE-31MP	PG 605	66	GEC	60	60	12.0	3.000	6.000	A	1.000	G			110	
	GE-32	NS 54 A		GEC		500S	5.0	1.000	30.000	C	40.000	G			125	
	GE-53	PG 120	1	GEC	32	32	6.0	1.000	1.000	C	1.400	G			110	
	GE-62	NS 45	98 C	GEC	65	50	5.0	.100	.350	A	150.000	G			350	
	GE-63	NS 45 B		GEC	65	60	5.0	1.000	1.000	C	160.000	G			150	
	GE-64	NS 45	98	GEC	40	40	12.0	.275	.360	A	90.000	G				
	GE-66	NS 45 A		GEC		70S	5.0	4.000	28.000	C	50.000	G			70	
	GE-67	PS 45 B		GEC	65	60	5.0	1.000	1.000	C	160.000	G			150	
	GE-69	PS 54 A		GEC		70S	5.0	4.000	28.000	C	40.000	G			70	
	GEMR-6	NS 59 A		GEC		40			8.000	H					35	
	GET706	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	200.000	G	50NA	20	30	.010
	GET708	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	300.000	G	50NA	20	60	.010
	GET914	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	300.000	G	50NA	20	60	.010
	GET929	NS 168 B		GEC	70	50	5.0	.100	.360	A 125J	90.000	G	10NA	50	90	.001
	GET930	NS 168 B		GEC	70	50	5.0	.100	.360	A 125J	90.000	G	10NA	50	175	.001
	GET2221	NS 168 B		GEC	60	30	5.0	.400	.360	A 125J	250.000	G	10NA	50	70	.150
	GET2221A	NS 168 B		GEC	75	40	5.0	.400	.360	A 125J	250.000	G	10NA	60	70	.150
	GET2222	NS 168 B		GEC	60	30	5.0	.400	.360	A 125J	250.000	G	10NA	50	175	.150
	GET2222A	NS 168 B		GEC	75	40	5.0	.400	.360	A 125J	300.000	G	10NA	60	175	.150
	GET2369	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	350.000	G	100NA	20	70	.010
	GET2484	NS 168 B		GEC	60	60	6.0	.100	.250	A 125J	60.000	G	50NA	45	375	.001
	GET2904	PS 168 B		GEC	60	40	5.0	.350	.360	A 125J	200.000	G	20NA	50	70	.150
	GET2905	PS 168 B		GEC	60	40	5.0	.350	.360	A 125J	200.000	G	20NA	50	70	.150
	GET2906	PS 168 B		GEC	60	40	5.0	.350	.360	A 125J	200.000	G	50NA	50	175	.150
	GET2907	PS 168 B		GEC	60	40	5.0	.350	.360	A 125J	200.000	G	50NA	50	175	.150
	GET3013	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	350.000	G	100NA	20	60	.030
	GET3014	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	350.000	G	100NA	20	60	.030
	GET3638	PS 168 B		GEC	25	25	4.0	.350	.360	125J	100.000	G	35NA	15	40	.300
	GET3638A	PS 168 B		GEC	25	25	4.0	.350	.360	A 125J	100.000	G	35NA	15	50	.300
	GET3646	NS 168 B		GEC	40	15	5.0	.200	.360	A 125J	350.000	G	100NA	20	60	.030
	GI-2711	NS 173	106	GIC	18	18	5.0	.100	.200	A 125J	200.000	G	500UA	18	52	.002
	GI-2712	NS 173	106	GIC	18	18	5.0	.100	.200	A 125J	300.000	G	500UA	18	106	.002
	GI-2713	NS 173	106	GIC	18	18	5.0	.200	.200	A 125J	150.000	G	500UA	18	52	.002
	GI-2714	NS 173	106	GIC	18	18	5.0	.200	.200	A 125J	200.000	G	500UA	18	131	.002
	GI-2715	NS 173	106	GIC	18	18	5.0	.025	.200	A 125J	100.000	G	500UA	18	52	.002
	GI-2716	NS 173	106	GIC	18	18	5.0	.025	.200	A 125J	150.000	G	500UA	18	131	.002
	GI-2921	NS 173	106	GIC	25	25	5.0		.200	A 125J					53	.002
	GI-2922	NS 173	106	GIC	25	25	5.0		.200	A 125J					83	.002
	GI-2923	NS 173	106	GIC	25	25	5.0		.200	A 125J					135	.002
	GI-2924	NS 173	106	GIC	25	25	5.0		.200	A 125J					225	.002
	GI-2925	NS 173	106	GIC	25	25	5.0		.200	A 125J					353	.002
	GI-2926	NS 173	106	GIC	18	18	5.0		.200	A 125J					153	.002
	GI-3391	NS 173	106	GIC	25	25	5.0		.200	A 125J					375	.002
	GI-3391A	NS 173	106	GIC	25	25	5.0		.200	A 125J					375	.002
	GI-3392	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	225	.002
	GI-3393	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	135	.002
	GI-3394	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	83	.002
	GI-3395	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	275	.002
	GI-3396	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	215	.002
	GI-3397	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	180	.002
	GI-3398	NS 173	106	GIC	25	25	5.0	.100	.200	A 125J			100NA	25	255	.002
	GI-3402	NS 173	106	GIC	25	25	5.0	.500	.200	A 125J			100NA	25	131	.002
	GI-3403	NS 173	106	GIC	25	25	5.0	.500	.200	A 125J			100NA	25	315	.002
	GI-3404	NS 173	106	GIC	50	50	5.0	.500	.200	A 125J			100NA	50	131	.002
	GI-3405	NS 173	106	GIC	50	50	5.0	.500	.200	A 125J			100NA	50	315	.002
	GI-3414	NS 173	106	GIC	25	25	5.0	.500	.300	A 125J	AUD		100NA	25	131	.002
	GI-3415	NS 173	106	GIC	25	25	5.0	.500	.300	A 125J	AUD		100NA	25	315	.002
	GI-3416	NS 173	106	GIC	50	50	5.0	.500	.360	A 125J	AUD		100NA	25	131	.002
	GI-3417	NS 173	106	GIC	50	50	5.0	.500	.360	A 125J	AUD		100NA	25	315	.002
	GI-3566	NS 173	106	GIC	50	50	5.0	.200	.300	A 125J	40.000	G	50NA	20	300	.010
	GI-3605	NS 173	106	GIC	18	14	5.0		.200	A 125J	300.000	G	500NA	18	45	.010
	GI-3606	NS 173	106	GIC	18	14	5.0		.200	A 125J	300.000	G	500NA	18	45	.010
	GI-3607	NS 173	106	GIC	18	14	5.0		.200	A 125J	300.000	G	500NA	18	45	.010
	GI-3638	PS 173	106	GIC	25	25	4.0		.300	A 125J	100.000	G	35NA	15	45	.050
	GI-3638A	PS 173	106	GIC	25	25	4.0		.300	A 125J	150.000	G	35NA	15	150	.050
	GI-3641	NS 173	106	GIC	60	30	5.0	.500	.350	A 125J	250.000	G	50NA	50	70	.150

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cont.	Temp. (°C)	Cont.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	GI-3642	NS 173	106	GIC	60	45	5.0	.500	.300	A	125J		250.000	G	50NA 50	70 .150
	GI-3643	NS 173	106	GIC	60	30	5.0	.500	.300	A	125J		250.000	G	50NA 30	175 .150
	GI-3644	PS 173	106	GIC	45	45	5.0	.500	.300	A	125J		200.000	G	35NA 30	175 .150
	GI-3702	PS 173	106	GIC	40	25	5.0	.200	.300	A	125J		100.000	G	100NA 20	135 .050
	GI-3703	PS 173	106	GIC	50	30	5.0	.200	.300	A	125J		100.000	G	100NA 20	68 .050
	GI-3704	NS 173	106	GIC	50	30	5.0	.800	.360	A	125J		100.000	G	100NA 20	175 .050
	GI-3705	NS 173	106	GIC	50	30	5.0	.800	.360	A	125J		100.000	G	100NA 20	88 .050
	GI-3706	NS 173	106	GIC	40	20	5.0	.800	.360	A	125J		100.000	G	100NA 20	180 .050
	GI-3707	NS 173	106	GIC	30	30	6.0	.030	.250	A	125J		AUD		100NA 20	200 .001
	GI-3708	NS 173	106	GIC	30	30	6.0	.030	.250	A	125J		AUD		100NA 20	210 .001
	GI-3709	NS 173	106	GIC	30	30	6.0	.030	.250	A	125J		AUD		100NA 20	86 .001
	GI-3710	NS 173	106	GIC	30	30	6.0	.030	.250	A	125J		AUD		100NA 20	172 .001
	GI-3711	NS 173	106	GIC	30	30	6.0	.030	.250	A	125J		AUD		100NA 20	330 .001
	GI-3721	NS 173	106	GIC	18	18	5.0	.100	.200	A	125J		AUD		500NA 18	225 .002
	GI-3793	NS 173	106	GIC	40	20	5.0	.500	.250	A	125J		100.000	G	500NA 15	50 .010
	GI-3794	NS 173	106	GIC	40	20	5.0	.500	.250	A	125J		100.000	G	500NA 15	250 .010
	GI-3900	NS 173	106	GIC	18	18	5.0	.100	.200	A	125J		AUD		100NA 18	375 .002
	GI-3900A	NS 173	106	GIC	18	18	5.0	.100	.200	A	125J		AUD		100NA 18	375 .002
	GM290A	PG 250 A		TIL	20	15	.3	.050	.075	A			700.000	G		30 .003
	GM378A	PG 250 A		TIL	20	15	.3	.050	.075	A			400.000	G		30 .003
	GT34HV			SEE 2N1408												
	-GT40	PG 55 C		AEI	15	15	12.0	.250	.100	A	75J		2.000	B	15UA 15	30
	-GT41	PG 55 C		AEI	15	15R	12.0	.250	.100	A	75J		3.000	B	15UA 15	30
	-GT42	PG 55 C		AEI	15	15R	12.0	.250	.100	A	75J		5.000	B	15UA 15	60
	-GT43	PG 55 C		AEI	15	15R	12.0	.250	.100	A	75J		7.000	B	15UA 15	100
	-GT44	PG 55 C		AEI	25	25	12.0	.250	.100	A	75J		2.000	B	15UA 25	30
	-GT45	PG 55 C		AEI	25	25R	12.0	.250	.100	A	75J		3.000	B	15UA 25	30
	-GT46	PG 55 C		AEI	25	25R	12.0	.250	.100	A	75J		5.000	B	15UA 25	60
	-GT47	PG 55 C		AEI	25	25R	12.0	.250	.100	A	75J		7.000	B	15UA 25	100
	-GT81	PG 170	9	GTC	25	25R	10.0		.150	A	100J		AUD		10UA 10	70
	GT1200			SEE 2N1310												
	GT1658			SEE 2N1605												
	H5			SEE 2N538A												
	H6			SEE 2N539A												
	H7			SEE 2N540A												
	H12			SEE 2N1157												
	H12A			SEE 2N1157A												
	HA7520	PS 903 A		HUG	35	35	35.0		1.000	A					100NA 35	10 .001
	HA7521	PS 903 A		HUG	60	60	60.0		1.000	A					100NA 60	10 .001
	HA7522	PS 903 A		HUG	15	15	15.0		1.000	A					100NA 15	22 .001
	HA7523	PS 903 A		HUG	35	35	35.0		1.000	A					100NA 35	22 .001
	HA7524	PS 903 A		HUG	60	60	60.0		1.000	A					100NA 60	22 .001
	HA7525	PS 903 A		HUG	110	110	110.0		1.000	A					100NA 110	22 .001
	HA7526	PS 903 A		HUG	15	15	15.0		1.000	A					100NA 15	44 .001
	HA7527	PS 903 A		HUG	35	35	35.0		1.000	A					100NA 35	44 .001
	HA7528	PS 903 A		HUG	60	60	60.0		1.000	A					100NA 60	44 .001
	HA7529	PS 903 A		HUG	90	90	90.0		1.000	A					100NA 90	22 .001
	HA7530	PS 210	5	HUG	35	35	35.0		.400	A					100NA 35	10 .001
	HA7531	PS 210	5	HUG	60	60	60.0		.400	A					100NA 60	10 .001
	HA7532	PS 210	5	HUG	15	15	15.0		.400	A					100NA 15	220 .001
	HA7533	PS 210	5	HUG	35	35	35.0		.400	A					100NA 35	22 .001
	HA7534	PS 210	5	HUG	60	60	60.0		.400	A					100NA 60	22 .001
	HA7535	PS 210	5	HUG	110	110	110.0		.400	A					100NA 110	22 .001
	HA7536	PS 210	5	HUG	15	15	15.0		.400	A					100NA 15	44 .001
	HA7537	PS 210	5	HUG	35	35	35.0		.400	A					100NA 35	44 .001
	HA7538	PS 210	5	HUG	60	60	60.0		.400	A					100NA 60	44 .001
	HA7539	PS 210	5	HUG	90	90	90.0		.400	A					100NA 90	22 .001
	HA7597	PS 903 A		HUG	40	20	20.0		.400	A					100NA 50	14 .001
	HA7598	PS 903 A		HUG	35	20	20.0		.400	A					100NA 50	29 .001
	HA7599	PS 903 A		HUG	30	20	20.0		.400	A					100NA 50	58 .001
	HEP1	PG 210	18	MOT	12	12S	2.0	.100	.150	A	100J		100.000	G		50
	HEP2	PG 210	5	MOT	22	22S	.6	.100	.300	A	100J		1000.000	G		75
	HEP3	PG 217	72	MOT	20	20S	.5	.050	.100	A	100J		250.000	G		85
	HEP50	NS 210	18	MOT	25	15	4.0	.300	.400	A	175J		250.000	G		85
	HEP51	PS 210	5	MOT	30	25	4.0	.600	.600	A	175J		150.000	G		80
	HEP52	PS 210	18	MOT	30	30	4.0	.200	.400	A	175J		200.000	G		95
	HEP53	NS 210	5	MOT	35	30	4.0	.600	.600	A	175J		200.000	G		85
	HEP54	NS 41	92	MOT	30	20	5.0	.200	.310	A	135J		300.000	G		350
	HEP55	NS 41	92	MOT	30	25	5.0	.200	.310	A	135J		200.000	G		350
	HEP56	NS 42	92	MOT	30	20	2.5	.100	.310	A	135J		750.000	G		70
	HEP57	PS 41	92	MOT	25	25	5.0	.200	.310	A	135J		200.000	G		350
	HEP75	NS 210	39	MOT	40	20	3.5	.400	3.000	C	175J		250.000	G		15
	HEP76	PS 210	39	MOT	40	20	3.5	.400	3.000	C	175J		250.000	G		15
	HEP200	PG 605	3	MOT	30	30R	10.0	3.000	90.000	C	110J		.600	G		40
	HEP230	PG 605	3	MOT	30	30R	10.0	5.000	90.000	C	110J		.600	G		40
	HEP231	PG 405	36	MOT	30	30R	10.0	15.000	150.000	C	110J		.500	G		40
	HEP232	PG 605	3	MOT	70	70S	10.0	7.000	90.000	C	110J		.600	G		60
	HEP233	PG 405	36	MOT	65	65S	60.0	15.000	170.000	C	110J		.500	G		55
	HEP234	PG 605	3	MOT	200	200S	2.0	5.000	56.000	C	110J		1.000	G		60
	HEP235	PG 605	3	MOT	320	320S	2.0	10.000	56.000	C	110J		1.000	G		60
	HEP236	PG 607	41	MOT	110	80	2.0	25.000	106.000	C	110J		.210	G		60
	HEP237	PG 405	36	MOT	75	60	40.0	30.000	170.000	C	110J		.270	G	900UA 75	80
	HEP238	PG 210	5	MOT	60	40S	20.0	3.000	20.000	C	110J		.200	G	125UA 30	120
	HEP239	PG 210	5	MOT	100	60S	20.0	3.000	20.000	C	110J		.200	G	125UA 30	120
	HEP240	NS 605	66	MOT	300	300	6.0	.500	10.000	C	150J		10.000	G		115
	HEP241	NS 605	66	MOT	160	120	6.0	5.000	40.000	C	150J		20.000	G		60
	HEP242	PS 211	5	MOT	60	40	7.0	3.000	6.000	C	200J		8.000	G		60
	HEP243	NS 211	5	MOT	60	40	6.0	3.000	6.000	C	200J		8.000	G		60
	HEP244	NS 48 A		MOT	300	300	3.0	.500	25.000	C	150J		15.000	G		80
	HEP245	NS 48 A		MOT	60	40	5.0	3.000	30.000	C	150J		8.000	G		60
	HEP246	PS 48 A		MOT	60	40	5.0	3.000	30.000	C	150J		8.000	G		60
	HEP247	NS 605	3	MOT	70	50	7.0	10.000	150.000	C	200J		6.000	G		60
	HEP248	PS 605	3	MOT	70	50	7.0	10.000	150.000	C	200J		6.000	G		60
	HEP250	PG 210	5	MOT	20	20S	2.5	.200	.200	A	85J		1.500	G		65
	HEP251	PG 210	5	MOT	20	20S	2.0	.200	.200	A	85J		2.500	G		150
	HEP252	PG 210	5	MOT	20	20S	2.0	.200	.200	A	85J		1.500	G	200UA	65
	HEP253	PG 212	5	MOT	20	20S	2.5	.400	.225	A	100J		2.000	G		40
	HEP254	PG 212	5	MOT	20	20S	2.5	.400	.225	A	100J		2.000	G		70
	HEP623	PG 605	3	MOT	60	35S	20.0	7.000	77.000	C	110J		.600	G		70
	HEP624	PG 605	3	MOT	60	35S	20.0	7.000	77.000	C	110J		.600	G		120
	HEP625	PG 605	3	MOT	100	75S	50.0	10.000	90.000	C	110J		.005	G		40
	HEP626	PG 605	3	MOT	80	50S	2.0	20.000	85.000	C	110J		1.000	G		60
	HEP627	PG 605	3	MOT	80	80S	5.0	10.000	85.000	C	110J		.700	G		40
	HEP628	PG 605	3	MOT	60	35S	20.0	7.000	77.000	C	110J		.600	G		45
	HEP629	PG 210	5	MOT	50	40S	30.0	.400	.200	A	100J		1.000	G		110
	HEP630	PG 210	5	MOT	55	45S	30.0	.400	.200	A	100J		1.000	G		50
	HEP631	PG 210	5	MOT	40	25S	25.0	.200	.200	A	100J		1.500	G		45
	HEP632	PG 210	5	MOT	40	25S	25.0	.200	.200	A	100J		2.000	G		80
	HEP633	PG 210	5	MOT	40	25S	25.0	.200	.200	A	100J		2.500	G		160
	HEP634	PG 210	5	MOT	40	25S	25.0	.200	.200	A	100J		3.000	G		350
	HEP635	PG 210	5	MOT	30	25S	2.5	.100	.150	A	100J		100.000	G		85
	HEP636	PG 210	18	MOT	35	35S	3.0	.100	.150	A	100J		600.000	G		120
	HEP637	PG 217	72	MOT	20	15S	.3	.010	.150	A	100J		800.000	G		120
	HEP638	PG 210	5	MOT	30	20S	.5	.050	.060	A	100J		100.000	G		60
	HEP639	PG 120	1	MOT	18	18S	.5	.005	.055	A	100J					70
	HEP640	PG 120	1	MOT	18	18S	.5	.005	.055	A	100J					130
	HEP641	NG 210	5	MOT	25	15S	10.0	.300	.150	A	85J		150.000	G		70
	HEP642	PG 605	66	MOT	30	25S	20.0	3.000	57.000	C	110J		.350	G	1MA 30	95
	HEP643	PG 605	66	MOT	30	25S	20.0	3.000	57.000	C	110J		.350	G	1MA 30	160
	HEP644	PG 605	3	MOT	160	160S	5.0	10.000	85.000	C	110J		.050	G	3MA 160	40
	HEP700	PS 48 A		MOT	40	40	5.0	5.000	40.000	C	150J		8.000	G		70
	HEP701	NS 48 A		MOT	40	40	5.0	3.000	40.000	C	150J		8.000	G		100
	HEP702	PS 605	66	MOT	80	80	5.0	3.000	25.000	C	150J		8.000	G		80
	HEP703	NS 605	66	MOT	70	60	5.0	5.000	25.000	C	150J		6.000	G		85
	HEP704	NS 605	3	MOT	100	60	7.0	15.000	115.000	C	200J		1.000	G		90
	HEP705	PS 605	3	MOT	40	40	5.0	5.000	87.500	C	200J		4.000	G		250
	HEP706	NS 211	5	MOT	350	325	6.0	.100	4.000	C	175J		10.000	G		25
	HEP707	NS 605	3	MOT	400	325	5.0	10.000	115.000	C	300J		2.500	G		65
	HEP708	PS 210	18	MOT	60	60	5.0	.600	1.800	C	175J		275.000	G		85

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	HEP709	NS 217	72	MOT	30	15	3.0	.050	.300	A	175J		600.000	G			120	
	HEP710	PS 211	5	MOT	95	80	4.5	.100	3.000	C	200J		200.000	G			25	
	HEP712	NS 211	5	MOT	180	200	5.0	.050	1.000	C	175J		150.000	G			35	
	HEP713	NS 211	5	MOT	100	100	5.0	.200	1.000	C	175J		150.000	G			35	
	HEP714	NS 49 A		MOT	150	150	5.0	1.000	1.000	C	175J		100.000	G			120	
	HEP715	PS 41	92	MOT	50	40	4.0	.200	.310	A	135J		200.000	G			120	
	HEP716	PS 41	92	MOT	40	40	5.0	.600	.310	A	135J		300.000	G			110	
	HEP717	PS 41	92	MOT	25	25	4.0	.100	.310	A	135J		120.000	G			350	
	HEP718	NS 41	92	MOT	30	20	4.0	.100	.310	A	135J		600.000	G			80	
	HEP719	NS 41	92	MOT	30	30	4.0	.100	.310	A	135J		700.000	G			130	
	HEP720	NS 41	92	MOT	30	20	3.0	.100	.310	A	135J		800.000	G			40	
	HEP721	NS 41	92	MOT	30	30	5.0	.500	.310	A	135J		260.000	G			350	
	HEP722	NS 41	92	MOT	25	25	4.0	.100	.310	A	135J		200.000	G			60	
	HEP723	NS 41	92	MOT	25	25	4.0	.100	.310	A	135J		200.000	G			90	
	HEP724	NS 41	92	MOT	25	25	4.0	.100	.310	A	135J		200.000	G			160	
	HEP725	NS 41	92	MOT	25	25	4.0	.100	.310	A	135J		200.000	G			250	
	HEP726	NS 41	92	MOT	25	25	4.0	.100	.310	A	135J		200.000	G			350	
	HEP727	NS 41	92	MOT	25	20	4.0	.100	.310	A	135J		200.000	G			50	
	HEP728	NS 41	92	MOT	45	40	4.0	.100	.310	A	135J		200.000	G			180	
	HEP729	NS 41	92	MOT	45	45	4.0	.100	.310	A	135J		200.000	G			100	
	HEP730	NS 41	92	MOT	30	25	4.5	.050	.310	A	135J		175.000	G			600	
	HEP731	NS 41	92	MOT	20	20	4.0	.025	.310	A	135J		30.000	G			130	
	HEP732	NS 41	92	MOT	20	20	4.0	.025	.310	A	135J		200.000	G			45	
	HEP733	NS 41	92	MOT	30	20	4.0	.100	.310	A	135J		100.000	G			95	
	HEP734	NS 41	92	MOT	40	20	4.0	.025	.310	A	135J		200.000	G			75	
	HEP735	NS 41	92	MOT	45	40	6.0	.600	.310	A	135J		150.000	G			300	
	HEP736	NS 41	92	MOT	55	50	6.0	.600	.310	A	135J		150.000	G			140	
	HEP737	NS 41	92	MOT	30	25	6.0	.100	.310	A	135J		100.000	G			600	
	HEP738	NS 41	92	MOT	45	40	7.0	.100	.310	A	135J		100.000	G			250	
	HEP739	PS 41	92	MOT	40	35	25.0	.150	.310	A	135J		4.000	G			250	
	HEP740	NS 605	3	MOT	700	700	5.0	3.500	100.000	C	300J		2.500	G	250NA	400		.015
	HEPG6001	PG 605	3	MOT	90	80S	1.5	25.000	25.000	C	110J		.850	G	200UA	2	70	
	HEPS0001	NS 41	92	MOT	140	120	5.0	.600	.310	A	135J		60.000	G	1UA	75	200	
	HEPS0002	NS 41	92	MOT	25	25	5.0	.500	.360	A	135J		80.000	G	100NA	25	160	
	HEPS0003	NS 41	92	MOT	25	25	5.0	.500	.360	A	135J		80.000	G	100NA	25	380	
	HEPS0004	NS 41	92	MOT	50	30	5.0	.600	.310	A	135J		400.000	G	100NA	30	75	
	HEPS0005	NS 41	92	MOT	180	160	6.0	.600	.310	A	135J		200.000	G	50NA	120	180	
	HEPS0006	PS 41	92	MOT	30	30	3.0	.050	.310	A	135J		100.000	G	100NA	10	450	
	HEPS0007	NS 41	92	MOT	70	70	4.0	.050	.310	A	135J		200.000	G	100NA	30	125	
	HEPS3001	NS 211	39	MOT	65	40	4.0	1.000	5.000	A	175J		500.000	G	1MA	65	15	
	HEPS3002	NS 210	39	MOT	80	80	5.0	5.000	6.000	C	200J		30.000	G	100UA	80	80	
	HEPS3003	PS 210	39	MOT	80	80	5.0	5.000	6.000	C	200J		30.000	G	100UA	80	80	
	HEPS3005	NS 962 A		MOT	36	30S	4.0	1.000	2.000	C	200J		175.000	G	1MA	15	15	
	HEPS3006	NS 962 A		MOT	36	30S	4.0	3.000	10.000	C	200J		175.000	G	1MA	15	15	
	HEPS3007	NS 964 B		MOT	36	30S	4.0	5.000	25.000	C	200J		175.000	G	1MA	15	15	
	HEPS3008	NS 211	39	MOT	55	30S	4.0	.400	1.500	C	200J		400.000	G	1UA	25	15	
	HEPS3010	NS 210	39	MOT	70	60	5.0	4.000	10.000	C	175J		30.000	G	100UA	70	70	
	HEPS3020	NS 49 A		MOT	60	60	4.0	1.000	5.000	C	135J		150.000	G	100NA	40	120	
	HEPS3023	NS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	110	
	HEPS3024	NS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	200	
	HEPS3025	NS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	320	
	HEPS3026	NS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	550	
	HEPS3027	PS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	110	
	HEPS3028	PS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	200	
	HEPS3029	PS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	320	
	HEPS3030	PS 49 A		MOT	35	35	4.0	1.500	8.000	C	135J		50.000	G	100NA	30	550	
	HEPS3031	PS 49 A		MOT	80	80	4.0	1.000	5.000	C	135J		125.000	G	100NA	60	140	
	HEPS5000	NS 48 A		MOT	80	80	5.0	4.000	40.000	C	150J		2.000	G	100NA	80	60	
	HEPS5001	NS 48 B		MOT	70	60	5.0	10.000	90.000	C	150J		2.000	G	1MA	70	50	
	HEPS5002	PS 48 B		MOT	70	60	5.0	10.000	90.000	C	150J		2.000	G	1MA	70	50	
	HEPS5003	NS 48 A		MOT	60	60	4.0	4.000	40.000	C	150J		2.000	G	100NA	60	60	
	HEPS5004	NS 48 B		MOT	90	90	4.0	10.000	90.000	C	150J		2.000	G	100UA	90	70	
	HEPS5005	PS 48 B		MOT	90	90	4.0	10.000	90.000	C	150J		2.000	G	100UA	90	70	
	HEPS5006	PS 48 A		MOT	80	80	5.0	4.000	40.000	C	150J		2.000	G	100UA	80	60	
	HEPS5007	PS 48 A		MOT	60	60	5.0	4.000	40.000	C	150J		2.000	G	100UA	60	60	
	HEPS5008	PS 48 B		MOT	40	40	4.0	5.000	65.000	C	150J		2.000	G	100UA	40	70	
	HEPS5009	PS 48 B		MOT	40	40	4.0	5.000	65.000	C	150J		2.000	G	100UA	40	120	
	HEPS5010	PS 48 B		MOT	40	40	4.0	5.000	65.000	C	150J		2.000	G	100UA	40		
	HEPS7000	NS 605	3	MOT	100	100	4.0	30.000	200.000	C	200J		2.000	G	1MA	100	75	
	HEPS7001	PS 605	3	MOT	100	100	4.0	30.000	200.000	C	200J		2.000	G	1MA	100	75	
	HF3H	PG 210	5	SEM	15	10	5.0	.200	.100	A			3.000	G			80	
	HF3M	PG 210	5	SEM	15	10	5.0	.200	.100	A			3.000	G			40	
	HF6H	PG 210	5	SEM	15	15	10.0	.200	.100	A			6.000	G			100	
	HF6M	PG 210	5	SEM	15	15	10.0	.200	.100	A			6.000	G			50	
	HF12H	PG 210	5	SEM	18	15	10.0	.200	.100	A			12.000	G			100	
	HF12M	PG 210	5	SEM	18	15	10.0	.200	.100	A			12.000	G			50	
	HF20H	PG 210	5	SEM	20	20	10.0	.200	.250	A			20.000	G			150	
	HF20M	PG 210	5	SEM	20	20	10.0	.200	.250	A			20.000	G			80	
	HF35	PG 120	58	SEM	20	20	2.0	.100	.150	A			100.000	G			50	
	HF50	PG 120	58	SEM	25	20	2.0	.100	.150	A			100.000	G			80	
	HF75	PG 120	58	SEM	25	20	2.0	.100	.150	A			100.000	G			150	
	HJ22D			SEE 2SA12														
	HJ23D			SEE 2SA15														
	HJ56			SEE 2SA13														
	HJ57			SEE 2SA16														
	HJ60			SEE 2SA17														
	HJ70			SEE 2SA80														
	HJ71			SEE 2SA81														
	HJ72			SEE 2SA82														
	HJ73			SEE 2SA83														
	HJ74			SEE 2SA84														
	HJ75			SEE 2SA85														
	HN100	NS 605	3	SEM	100	50	5.0	5.000	150.000	C			1.000	G			20	
	HN150	NS 605	3	SEM	150	120	7.0	15.000	150.000	C			1.000	G			20	
	HO300	PG 605	3	SEM	300	250	2.0	10.000	100.000	C			5.000	G			20	
	HST1050	NS 605	3	HUG	250	200	8.0		80.000	H					5UA	100	23	1.000
	HST1051	NS 605	3	HUG	400	325	8.0		80.000	H					5UA	100	23	1.000
	HST1052	NS 605	3	HUG	500	400	8.0		80.000	H					5UA	100	23	1.000
	HST1053	NS 605	3	HUG	600	400	8.0		80.000	H					5UA	100	23	1.000
	HST1054	NS 605	3	HUG	700	400	8.0		80.000	H					5UA	100	23	1.000
	HST1055	NS 605	3	HUG	250	200	8.0		80.000	H					1UA	150	22	1.000
	HST1056	NS 605	3	HUG	400	325	8.0		80.000	H					1UA	150	22	1.000
	HST1057	NS 605	3	HUG	500	400	8.0		80.000	H					1UA	150	22	1.000
	HST1058	NS 605	3	HUG	600	400	8.0		80.000	H					1UA	150	22	1.000
	HST1059	NS 605	3	HUG	700	400	8.0		80.000	H					1UA	150	22	1.000
	HST1060	NS 605	3	HUG	250	200	8.0		80.000	H					1UA	150	15	1.000
	HST1061	NS 605	3	HUG	400	325	8.0		80.000	H					1UA	150	15	1.000
	HST1062	NS 605	3	HUG	500	400	8.0		80.000	H					1UA	150	15	1.000
	HST1063	NS 605	3	HUG	600	400	8.0		80.000	H					1UA	150	15	1.000
	HST1064	NS 605	3	HUG	700	400	8.0		80.000	H					1UA	150	15	1.000
	HST1150	NS 605	66	HUG	250	200	8.0		40.000	H					1UA	150	15	1.000
	HST1151	NS 605	66	HUG	400	325	8.0		40.000	H					1UA	150	15	1.000
	HST1152	NS 605	66	HUG	500	400	8.0		40.000	H					1UA	150	15	1.000
	HST1153	NS 605	66	HUG	600	400	8.0		40.000	H					1UA	150	15	1.000
	HST1154	NS 605	66	HUG	700	400	8.0		40.000	H					1UA	150	15	1.000
	HST1155	NS 605	66	HUG	250	200	8.0		40.000	H					1UA	150	22	1.000
	HST1156	NS 605	66	HUG	400	325	8.0		40.000	H					1UA	150	22	1.000
	HST1157	NS 605	66	HUG	500	400	8.0		40.000	H					1UA	150	22	1.000
	HST1158	NS 605	66	HUG	600	400	8.0		40.000	H					1UA	150	22	1.000
	HST1159	NS 605	66	HUG	700	400	8.0		40.000	H					1UA	150	22	1.000
	HST1160	NS 605	66	HUG	250	200	8.0		40.000	H					5UA	100	23	1.000
	HST1161	NS 605	66	HUG	400	325	8.0		40.000	H					5UA	100	23	1.000
	HST1162	NS 605	66	HUG	500	400	8.0		40.000	H					5UA	100	23	1.000
	HST1163	NS 605	66	HUG	600	400	8.0		40.000	H					5UA	100	23	1.000
	HST1164	NS 605	66	HUG	700	400	8.0		40.000	H					5UA	100	23	1.000
	HST1250	NS 561	61	HUG	250	200	8.0		80.000	H					5UA	100	23	1.000
	HST1251	NS 561	61	HUG	400	325	8.0		80.000	H					5UA	100	23	1.000
	HST1252	NS 561	61	HUG	500	400	8.0		80.000	H					5UA	100	23	1.000
	HST1253	NS 561	61	HUG	600	400	8.0		80.000	H					5UA	100	23	1.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	HST1254	NS 561	61	HUG	700	400	8.0		80.000	H			5UA	100	23	1.000
	HST1255	NS 561	61	HUG	250	200	8.0		80.000	H			1UA	150	22	1.000
	HST1256	NS 561	61	HUG	400	325	8.0		80.000	H			1UA	150	22	1.000
	HST1257	NS 561	61	HUG	500	400	8.0		80.000	H			1UA	150	22	1.000
	HST1258	NS 561	61	HUG	600	400	8.0		80.000	H			1UA	150	22	1.000
	HST1259	NS 561	61	HUG	700	400	8.0		80.000	H			1UA	150	22	1.000
	HST1260	NS 561	61	HUG	250	200	8.0		80.000	H			1UA	150	15	1.000
	HST1261	NS 561	61	HUG	400	325	8.0		80.000	H			1UA	150	15	1.000
	HST1262	NS 561	61	HUG	500	400	8.0		80.000	H			1UA	150	15	1.000
	HST1263	NS 561	61	HUG	600	400	8.0		80.000	H			1UA	150	15	1.000
	HST1264	NS 561	61	HUG	700	400	8.0		80.000	H			1UA	150	15	1.000
	HST1808	PG 403	68	HUG	80	60			170.000	C					23	50.000
	HST1809	PG 403	68	HUG	60	45			170.000	C					23	50.000
	HST1810	PG 403	68	HUG	40	30			170.000	C					23	50.000
	HST1860	PG 403	68	HUG	80	60			170.000	C					30	50.000
	HST1861	PG 403	68	HUG	60	45			170.000	C					30	50.000
	HST1862	PG 403	68	HUG	40	30			170.000	C					30	50.000
	HST1908	PG 176 E		HUG	80	60			140.000	C					23	50.000
	HST1909	PG 176 E		HUG	60	45			140.000	C					23	50.000
	HST1910	PG 176 E		HUG	40	30			140.000	C					23	50.000
	HST1960	PG 176 E		HUG	80	60			170.000	C					30	50.000
	HST1961	PG 176 E		HUG	60	45			170.000	C					30	50.000
	HST1962	PG 176 E		HUG	40	30			170.000	C					30	50.000
	HST2008	PG 571 A		HUG	80	60			140.000	C					23	50.000
	HST2009	PG 571 A		HUG	60	45			140.000	C					23	50.000
	HST2010	PG 571 A		HUG	40	30			140.000	C					23	50.000
	HST2101	PG 390 A		HUG	10	5			100.000	C					60	99.000
	HST2110	PG 390 A		HUG	10	5			100.000	C					60	99.000
	HST2111	PG 390 A		HUG	10	5			100.000	C					60	99.000
	HST2112	PG 390 B		HUG	10	5			100.000	C					60	99.000
	HST2150	PG 390 B		HUG	10	5			100.000	C					60	99.000
	HST2151	PG 390 B		HUG	10	5			100.000	C					60	99.000
	HST2152	PG 390 B		HUG	10	5			100.000	C					60	99.000
	HST4451	NS 211	5	HUG	80	40	8.0		4.000	H	70.000	G	1UA	60	35	5.000
	HST4452	NS 211	5	HUG	100	80	8.0		4.000	H	70.000	G	1UA	60	35	5.000
	HST4453	NS 211	5	HUG	80	40	8.0		4.000	H	70.000	G	1UA	60	70	5.000
	HST4454	NS 211	5	HUG	100	80	8.0		4.000	H	70.000	G	1UA	60	70	5.000
	HST4455	NS 211	5	HUG	80	40	8.0		4.000	H	70.000	G	1UA	60	150	5.000
	HST4456	NS 211	5	HUG	100	80	8.0		4.000	H	70.000	G	1UA	60	150	5.000
	HST4483	NS 211	5	HUG	60	40	8.0		4.000	H	70.000	G	1UA	60	35	5.000
	HST4551	NS 490 A		HUG	80	40	8.0		20.000	H	70.000	G	1UA	60	35	5.000
	HST4552	NS 490 A		HUG	100	80	8.0		20.000	H	70.000	G	1UA	60	35	5.000
	HST4553	NS 490 A		HUG	80	40	8.0		20.000	H	70.000	G	1UA	60	70	5.000
	HST4554	NS 490 A		HUG	100	80	8.0		20.000	H	70.000	G	1UA	60	70	5.000
	HST4555	NS 490 A		HUG	80	40	8.0		20.000	H	70.000	G	1UA	60	150	5.000
	HST4556	NS 490 A		HUG	100	80	8.0		20.000	H	70.000	G	1UA	60	150	5.000
	HST4583	NS 490 A		HUG	60	40	5.0		20.000	H	70.000	G	1UA	60	35	5.000
	HST5001	NS 211	46	HUG	60	40	8.0		4.000	H	85.000	G	100NA	30	88	.500
	HST5002	NS 211	46	HUG	80	60	8.0		4.000	H	85.000	G	100NA	30	88	.500
	HST5003	NS 211	46	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5004	NS 211	46	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5005	NS 211	46	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5006	NS 211	46	HUG	60	40	8.0		4.000	H	85.000	G	100NA	30	45	.500
	HST5007	NS 211	46	HUG	80	60	8.0		4.000	H	85.000	G	100NA	30	45	.500
	HST5008	NS 211	46	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5009	NS 211	46	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5010	NS 211	46	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5011	NS 211	46	HUG	60	40	8.0		4.000	H	85.000	G	100NA	30	180	.500
	HST5012	NS 211	46	HUG	80	60	8.0		4.000	H	85.000	G	100NA	30	180	.500
	HST5013	NS 211	46	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5014	NS 211	46	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5015	NS 211	46	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5051	NS 211	46	HUG	175	150	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5052	NS 211	46	HUG	200	175	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5053	NS 211	46	HUG	225	200	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5054	NS 211	46	HUG	175	150	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5055	NS 211	46	HUG	200	175	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5056	NS 211	46	HUG	225	200	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5501	NS 211	5	HUG	60	40	8.0		4.000	H	85.000	G	100NA	30	88	.500
	HST5502	NS 211	5	HUG	80	60	8.0		4.000	H	85.000	G	100NA	30	88	.500
	HST5503	NS 211	5	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5504	NS 211	5	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5505	NS 211	5	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5506	NS 211	5	HUG	60	40	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5507	NS 211	5	HUG	80	60	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5508	NS 211	5	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5509	NS 211	5	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5510	NS 211	5	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5511	NS 211	5	HUG	60	40	8.0		4.000	H	85.000	G	100NA	30	180	.500
	HST5512	NS 211	5	HUG	80	60	8.0		4.000	H	85.000	G	100NA	30	180	.500
	HST5513	NS 211	5	HUG	100	80	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5514	NS 211	5	HUG	140	100	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5515	NS 211	5	HUG	180	120	8.0		4.000	H	85.000	G	100NA	60	180	.500
	HST5551	NS 211	5	HUG	175	150	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5552	NS 211	5	HUG	200	175	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5553	NS 211	5	HUG	225	200	8.0		4.000	H	85.000	G	100NA	60	88	.500
	HST5554	NS 211	5	HUG	175	150	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5555	NS 211	5	HUG	200	175	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5556	NS 211	5	HUG	225	200	8.0		4.000	H	85.000	G	100NA	60	45	.500
	HST5901	NS 605	66	HUG	60	40	8.0		16.600	H	85.000	G			88	5.000
	HST5902	NS 605	66	HUG	80	60	8.0		16.600	H	85.000	G			88	5.000
	HST5903	NS 605	66	HUG	100	80	8.0		16.600	H	85.000	G			88	5.000
	HST5904	NS 605	66	HUG	140	100	8.0		16.600	H	85.000	G			88	5.000
	HST5905	NS 605	66	HUG	180	120	8.0		16.600	H	85.000	G			88	5.000
	HST5906	NS 605	66	HUG	60	40	8.0		16.600	H	85.000	G			45	5.000
	HST5907	NS 605	66	HUG	80	60	8.0		16.600	H	85.000	G			45	5.000
	HST5908	NS 605	66	HUG	100	80	8.0		16.600	H	85.000	G			45	5.000
	HST5909	NS 605	66	HUG	140	100	8.0		16.600	H	85.000	G			45	5.000
	HST5910	NS 605	66	HUG	180	120	8.0		16.600	H	85.000	G			45	5.000
	HST5911	NS 605	66	HUG	60	40	8.0		16.600	H	85.000	G			180	5.000
	HST5912	NS 605	66	HUG	80	60	8.0		16.600	H	85.000	G			180	5.000
	HST5913	NS 605	66	HUG	100	80	8.0		16.600	H	85.000	G			180	5.000
	HST5914	NS 605	66	HUG	140	100	8.0		16.600	H	85.000	G			180	5.000
	HST5915	NS 605	66	HUG	180	120	8.0		16.600	H	85.000	G			180	5.000
	HST5951	NS 605	66	HUG	175	150	8.0		16.600	H	85.000	G	100NA	60	88	5.000
	HST5952	NS 605	66	HUG	200	175	8.0		16.600	H	85.000	G	100NA	60	88	5.000
	HST5953	NS 605	66	HUG	225	200	8.0		16.600	H	85.000	G	100NA	60	88	5.000
	HST5954	NS 605	66	HUG	175	150	8.0		16.600	H	85.000	G	100NA	60	45	5.000
	HST5955	NS 605	66	HUG	200	175	8.0		16.600	H	85.000	G	100NA	60	45	5.000
	HST5956	NS 605	66	HUG	225	200	8.0		16.600	H	85.000	G	100NA	60	45	5.000
	HST6001	NS 561	62	HUG	100	50	5.0		40.000	H	70.000	G	1UA	60	15	5.000
	HST6011	NS 561	62	HUG	80	40	8.0		40.000	H	70.000	G	1UA	60	35	5.000
	HST6012	NS 561	62	HUG	100	80	8.0		40.000	H	70.000	G	1UA	60	35	5.000
	HST6013	NS 561	62	HUG	80	40	8.0		40.000	H	70.000	G	1UA	60	70	5.000
	HST6014	NS 561	62	HUG	100	80	8.0		40.000	H	70.000	G	1UA	60	70	5.000
	HST6015	NS 561	62	HUG	80	40	8.0		40.000	H	70.000	G	1UA	60	150	5.000
	HST6016	NS 561	62	HUG	100	80	8.0		40.000	H	70.000	G	1UA	60	150	5.000
	HST6031	NS 561	62	HUG	60	40	5.0		40.000	H	70.000	G	1UA	60	35	5.000
	HST6308	NS 561	111	HUG	60	40	8.0		30.000	H	70.000	G	1UA	60	35	5.000
	HST6309	NS 561	111	HUG	80	60	8.0		30.000	H	70.000	G	1UA	60	35	5.000
	HST6310	NS 561	111	HUG	100	80	8.0		30.000	H	70.000	G	1UA	60	35	5.000
	HST6311	NS 561	111	HUG	60	40	8.0		30.000	H	70.000	G	1UA	60	70	5.000
	HST6312	NS 561	111	HUG	80	60	8.0		30.000	H	70.000	G	1UA	60	70	5.000
	HST6313	NS 561	111	HUG	100	80	8.0		30.000	H	70.000	G	1UA	60	70	5.000
	HST6314	NS 561	111	HUG	60	40	8.0		30.000	H	70.000	G	1UA	60	150	5.000
	HST6315	NS 561	111	HUG	80	60	8.0		30.000	H	70.000	G	1UA	60	150	5.000
	HST6316	NS 561	111	HUG	100	80	8.0		30.000	H	70.000	G	1UA	60	150	5.000
	HST6408	NS 560	111	HUG	60	40	8.0		30.000	H	70.000	G	1UA	60	35	5.000
	HST6409	NS 560	111	HUG	100	80	8.0		30.000	H	70.000	G	1UA	60	35	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	HST6410	NS 560	111	HUG	100	80	8.0		30.000	H			70.000	G	1UA 60	35 5.000
	HST6411	NS 560	111	HUG	60	40	8.0		30.000	H			70.000	G	1UA 60	70 5.000
	HST6412	NS 560	111	HUG	80	60	8.0		30.000	H			70.000	G	1UA 60	70 5.000
	HST6413	NS 560	111	HUG	100	80	8.0		30.000	H			70.000	G	1UA 60	70 5.000
	HST6414	NS 560	111	HUG	60	40	8.0		30.000	H			70.000	G	1UA 60	150 5.000
	HST6415	NS 560	111	HUG	80	60	8.0		30.000	H			70.000	G	1UA 60	150 5.000
	HST6416	NS 560	111	HUG	100	80	8.0		30.000	H			70.003	G	1UA 60	150 5.000
	HST6901	NS 605	66	HUG	145	125	8.0		20.000	H			70.000	G	1UA 60	35 .500
	HST6902	NS 605	66	HUG	170	150	8.0		20.000	H			70.000	G	1UA 60	35 .500
	HST6903	NS 605	66	HUG	195	175	8.0		20.000	H			70.000	G	1UA 60	35 .500
	HST6904	NS 605	66	HUG	220	200	8.0		20.000	H			70.000	G	1UA 60	35 .500
	HST6905	NS 605	66	HUG	145	125	8.0		20.000	H			70.000	G	1UA 60	70 .500
	HST6906	NS 605	66	HUG	170	150	8.0		20.000	H			70.000	G	1UA 60	70 .500
	HST6907	NS 605	66	HUG	195	175	8.0		20.000	H			70.000	G	1UA 60	70 .500
	HST6908	NS 605	66	HUG	220	200	8.0		20.000	H			70.000	G	1UA 60	70 .500
	HST7011	NS 561	61	HUG	60	40	5.0		50.000	H			60.000	G	1UA 60	35 .500
	HST7012	NS 561	61	HUG	80	60	5.0		50.000	H			60.000	G	1UA 60	35 .500
	HST7013	NS 561	61	HUG	100	80	5.0		50.000	H			60.000	G	1UA 60	35 .500
	HST7014	NS 561	61	HUG	60	40	5.0		50.000	H			60.000	G	1UA 60	70 .500
	HST7015	NS 561	61	HUG	80	60	5.0		50.000	H			60.000	G	1UA 60	70 .500
	HST7016	NS 561	61	HUG	100	80	5.0		50.000	H			60.000	G	1UA 60	70 .500
	HST7017	NS 561	61	HUG	60	40	5.0		50.000	H			60.000	G	1UA 60	150 .500
	HST7018	NS 561	61	HUG	80	60	5.0		50.000	H			60.000	G	1UA 60	150 .500
	HST7019	NS 561	61	HUG	100	80	5.0		50.000	H			60.000	G	1UA 60	150 .500
	HST7140	NS 561	61	HUG	120	100	8.0		50.000	H			60.000	G	100NA 60	70 .500
	HST7141	NS 561	61	HUG	200	150	8.0		50.000	H			60.000	G	100NA 100	70 .500
	HST7150	NS 561	61	HUG	140	120	8.0		50.000	H			60.000	G	500NA 60	35 .500
	HST7151	NS 561	61	HUG	170	150	8.0		50.000	H			60.000	G	500NA 100	35 .500
	HST7152	NS 561	61	HUG	220	200	8.0		50.000	H			60.000	G	500NA 100	35 .500
	HST7154	NS 561	61	HUG	140	120	8.0		50.000	H			60.000	G	500NA 60	70 .500
	HST7155	NS 561	61	HUG	170	150	8.0		50.000	H			60.000	G	500NA 100	70 .500
	HST7156	NS 561	61	HUG	220	200	8.0		50.000	H			60.000	G	500NA 100	70 .500
	HST7201	NS 605	3	HUG	225	200	8.0		65.000	H			50.000	G	1UA 100	35 .500
	HST7202	NS 605	3	HUG	250	225	8.0		65.000	H			50.000	G	1UA 100	35 .500
	HST7203	NS 605	3	HUG	275	250	8.0		65.000	H			50.000	G	1UA 100	35 .500
	HST7204	NS 605	3	HUG	325	300	8.0		65.000	H			50.000	G	1UA 100	35 .500
	HST7205	NS 605	3	HUG	350	325	8.0		65.000	H			50.000	G	1UA 100	35 .500
	HST7206	NS 605	3	HUG	150	150	8.0		65.000	H			50.000	G	10UA 100	15 .500
	HST7207	NS 605	3	HUG	200	200	8.0		65.000	H			50.000	G	10UA 100	22 .500
	HST7208	NS 605	3	HUG	250	250	8.0		65.000	H			50.000	G	10UA 100	22 .500
	HST7209	NS 605	3	HUG	300	300	8.0		65.000	H			50.000	G	10UA 100	22 .500
	HST7401	NS 211	5	HUG	60	40	5.0		5.000	H					1UA 30	70 5.000
	HST7402	NS 211	5	HUG	80	60	5.0		5.000	H					1UA 60	70 5.000
	HST7403	NS 211	5	HUG	100	80	5.0		5.000	H					1UA 60	70 5.000
	HST7411	NS 211	5	HUG	60	40	5.0		5.000	H					1UA 30	35 5.000
	HST7412	NS 211	5	HUG	80	60	5.0		5.000	H					1UA 60	35 5.000
	HST7413	NS 211	5	HUG	100	80	5.0		5.000	H					1UA 60	35 5.000
	HST7414	NS 211	5	HUG	60	40	5.0		5.000	H					1UA 30	70 5.000
	HST7415	NS 211	5	HUG	80	60	5.0		5.000	H					1UA 60	70 5.000
	HST7416	NS 211	5	HUG	100	80	5.0		5.000	H					1UA 60	70 5.000
	HST7417	NS 211	5	HUG	60	40	5.0		5.000	H					1UA 30	150 5.000
	HST7418	NS 211	5	HUG	80	60	5.0		5.000	H					1UA 60	150 5.000
	HST7419	NS 211	5	HUG	100	80	5.0		5.000	H					1UA 60	150 5.000
	HST7601	NS 607	41	HUG	60	40	8.0		65.000	H			60.000	G	500NA 30	70 5.000
	HST7602	NS 607	41	HUG	80	60	8.0		65.000	H			60.000	G	500NA 30	70 5.000
	HST7603	NS 607	41	HUG	100	80	8.0		65.000	H			60.000	G	500NA 60	70 5.000
	HST7604	NS 607	41	HUG	140	120	8.0		65.000	H			60.000	G	500NA 60	70 5.000
	HST7605	NS 607	41	HUG	170	150	8.0		65.000	H			60.000	G	500NA 100	70 5.000
	HST7606	NS 607	41	HUG	220	200	8.0		65.000	H			60.000	G	500NA 100	70 5.000
	HST7607	NS 607	41	HUG	60	40	8.0		65.000	H			60.000	G	500NA 30	35 5.000
	HST7608	NS 607	41	HUG	80	60	8.0		65.000	H			60.000	G	500NA 30	35 5.000
	HST7609	NS 607	41	HUG	100	80	8.0		65.000	H			60.000	G	500NA 60	35 5.000
	HST7610	NS 607	41	HUG	140	120	8.0		65.000	H			60.000	G	500NA 60	35 5.000
	HST7611	NS 607	41	HUG	170	150	8.0		65.000	H			60.000	G	500NA 100	35 5.000
	HST7612	NS 607	41	HUG	220	200	8.0		65.000	H			60.000	G	500NA 100	35 5.000
	HST7801	NS 561	61	HUG	225	200	8.0		50.000	H			50.000	G	1UA 100	35 5.000
	HST7802	NS 561	61	HUG	250	225	8.0		50.000	H			50.000	G	1UA 100	35 5.000
	HST7803	NS 561	61	HUG	275	250	8.0		50.000	H			50.000	G	1UA 100	35 5.000
	HST7804	NS 561	61	HUG	325	300	8.0		50.000	H			50.000	G	1UA 100	35 5.000
	HST7805	NS 561	61	HUG	350	325	8.0		50.000	H			50.000	G	1UA 100	35 5.000
	HST7806	NS 561	61	HUG	150	150	8.0		50.000	H			50.000	G	1UA 100	15 5.000
	HST7807	NS 561	61	HUG	200	200	8.0		50.000	H			50.000	G	1UA 100	23 5.000
	HST7808	NS 561	61	HUG	250	250	8.0		50.000	H			50.000	G	1UA 100	23 5.000
	HST7809	NS 561	61	HUG	300	300	8.0		50.000	H			50.000	G	1UA 100	23 5.000
	HST7901	NS 605	66	HUG	225	200	8.0		25.000	H			50.000	G	1UA 100	35 5.000
	HST7902	NS 605	66	HUG	250	225	8.0		25.000	H			50.000	G	1UA 100	35 5.000
	HST7903	NS 605	66	HUG	275	250	8.0		25.000	H			50.000	G	1UA 100	35 5.000
	HST7904	NS 605	66	HUG	325	300	8.0		25.000	H			50.000	G	1UA 100	35 5.000
	HST7905	NS 605	66	HUG	350	325	8.0		25.000	H			50.000	G	1UA 100	35 5.000
	HST7907	NS 605	66	HUG	200	200	8.0		25.000	H			50.000	G	10UA 100	23 5.000
	HST7908	NS 605	66	HUG	250	250	8.0		25.000	H			50.000	G	10UA 100	23 5.000
	HST7909	NS 605	66	HUG	300	300	8.0		25.000	H			50.000	G	10UA 100	23 5.000
	HST7910	NS 605	66	HUG	150	150	8.0		25.000	H			50.000	G	10UA 100	15 5.000
	HST8002	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	100UA 60	70 5.000
	HST8003	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	100UA 60	70 5.000
	HST8012	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	10UA 60	35 5.000
	HST8013	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	10UA 60	35 5.000
	HST8015	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	10UA 60	70 5.000
	HST8016	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	10UA 60	70 5.000
	HST8045	NS 561	63	HUG	45	25	5.0		100.000	H			35.000	G	10UA 25	60 5.000
	HST8070	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	10UA 60	150 5.000
	HST8071	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	10UA 60	150 5.000
	HST8105	NS 913 A		HUG	80	60	8.0		65.000	H			35.000	G	100UA 60	70 5.000
	HST8106	NS 913 A		HUG	100	80	8.0		65.000	H			35.000	G	100UA 60	70 5.000
	HST8110	NS 913 A		HUG	80	60	8.0		65.000	H			35.000	G	10UA 60	150 5.000
	HST8111	NS 913 A		HUG	100	80	8.0		65.000	H			35.000	G	10UA 60	150 5.000
	HST8112	NS 913 A		HUG	80	60	8.0		65.000	H			35.000	G	10UA 60	35 5.000
	HST8113	NS 913 A		HUG	100	80	8.0		65.000	H			35.000	G	10UA 60	35 5.000
	HST8114	NS 913 A		HUG	40	25	8.0		65.000	H			35.000	G	10UA 60	60 5.000
	HST8115	NS 913 A		HUG	80	60	8.0		65.000	H			35.000	G	10UA 60	70 5.000
	HST8116	NS 913 A		HUG	100	80	8.0		65.000	H			35.000	G	10UA 60	70 5.000
	HST8301	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	10UA 60	70 5.000
	HST8302	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	10UA 60	70 5.000
	HST8303	NS 561	63	HUG	80	60	8.0		100.000	H			35.000	G	10UA 60	150 5.000
	HST8304	NS 561	63	HUG	100	80	8.0		100.000	H			35.000	G	10UA 60	150 5.000
	HST8601	NS 403	68	HUG	80	60	8.0		166.000	H			15.000	G	10UA 60	15 5.000
	HST8602	NS 403	68	HUG	100	80	8.0		166.000	H			15.000	G	10UA 60	15 5.000
	HST8603	NS 403	68	HUG	120	100	8.0		166.000	H			15.000	G	10UA 60	15 5.000
	HST8604	NS 403	68	HUG	140	120	8.0		166.000	H			15.000	G	10UA 60	15 5.000
	HST8651	NS 403	68	HUG	200	200	8.0		166.000	H			15.000	G	10UA 100	20 5.000
	HST8652	NS 403	68	HUG	225	225	8.0		166.000	H			15.000	G	10UA 100	20 5.000
	HST8653	NS 403	68	HUG	250	250	8.0		166.000	H			15.000	G	10UA 100	20 5.000
	HST8654	NS 403	68	HUG	275	275	8.0		166.000	H			15.000	G	10UA 100	20 5.000
	HST8655	NS 403	68	HUG	300	300	8.0		166.000	H			15.000	G	10UA 100	20 5.000
	HST8801	NS 561	63	HUG	200	200	8.0		100.000	H			30.000	G	1UA 60	30 4.000
	HST8802	NS 561	63	HUG	225	225	8.0		100.000	H			30.000	G	1UA 60	30 4.000
	HST8803	NS 561	63	HUG	250	250	8.0		100.000	H			30.000	G	1UA 60	30 4.000
	HST8804	NS 561	63	HUG	275	275	8.0		100.000	H			30.000	G	1UA 60	30 4.000
	HST8805	NS 561	63	HUG	300	300	8.0		100.000	H			30.000	G	1UA 60	30 4.000
	HST8920	NS 563	114	HUG	80	60	8.0		200.000	H			15.000	G	10UA 60	15 4.000
	HST8921	NS 563	114	HUG	100	80	8.0		200.000	H			15.000	G	10UA 60	15 4.000
	HST8922	NS 563	114	HUG	120	100	8.0		200.000	H			15.000	G	10UA 60	15 4.000
	HST8923	NS 563	114	HUG	140	120	8.0		200.000	H			15.000	G	10UA 60	15 4.000
	HST8951	NS 563	114	HUG	200	200	8.0		166.000	H			15.000	G	10UA 100	20 4.000
	HST8952	NS 563	114	HUG	225	225	8.0		166.000	H			15.000	G	10UA 100	20 4.000
	HST8953	NS 563	114	HUG	250	250	8.0		166.000	H			15.000	G	10UA 100	20 4.000
	HST8954	NS 563	114	HUG	275	275	8.0		166.000	H			15.000	G	10UA 100	20 4.000
	HST8955	NS 563	114	HUG	300	300	8.0		166.000	H			15.000	G	10UA 100	20 4.000
	HST9001	NS 211	5	HUG	50	30	5.0		4.000	H			70.000	G	1UA 25	30 4.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	HST9002	NS 211	5	HUG	70	50	5.0		4.000	H		70.000	G	1UA	25	30	4.000
	HST9003	NS 211	5	HUG	90	70	5.0		4.000	H		70.000	G	1UA	25	30	4.000
	HST9004	NS 211	5	HUG	50	30	5.0		4.000	H		70.000	G	1UA	25	52	4.000
	HST9005	NS 211	5	HUG	70	50	5.0		4.000	H		70.000	G	1UA	25	52	4.000
	HST9006	NS 211	5	HUG	90	70	5.0		4.000	H		70.000	G	1UA	25	52	4.000
	HST9007	NS 211	5	HUG	50	30	5.0		4.000	H		70.000	G	1UA	25	88	4.000
	HST9008	NS 211	5	HUG	70	50	5.0		4.000	H		70.000	G	1UA	25	88	4.000
	HST9009	NS 211	5	HUG	90	70	5.0		4.000	H		70.000	G	1UA	25	88	4.000
	HST9010	NS 211	5	HUG	50	30	5.0		4.000	H		70.000	G	1UA	25	150	4.000
	HST9011	NS 211	5	HUG	70	50	5.0		4.000	H		70.000	G	1UA	25	150	4.000
	HST9012	NS 211	5	HUG	90	70	5.0		4.000	H		70.000	G	1UA	25	150	4.000
	HST9201	NS 605	3	HUG	55	45	12.0		115.000	H		70.000	G	2UA	30	38	4.000
	HST9202	NS 605	3	HUG	100	80	12.0		115.000	H		70.000	G	700NA	30	38	4.000
	HST9203	NS 605	3	HUG	120	100	12.0		115.000	H		70.000	G	700NA	30	38	4.000
	HST9204	NS 605	3	HUG	140	120	12.0		115.000	H		70.000	G	700NA	30	38	4.000
	HST9205	NS 605	3	HUG	55	45	12.0		115.000	H		70.000	G	2UA	30	32	4.000
	HST9206	NS 605	3	HUG	80	60	12.0		115.000	H		70.000	G	700NA	30	32	4.000
	HST9207	NS 605	3	HUG	100	80	12.0		115.000	H		70.000	G	700NA	30	32	4.000
	HST9208	NS 605	3	HUG	120	100	12.0		115.000	H		70.000	G	700NA	30	32	4.000
	HST9209	NS 605	3	HUG	140	120	12.0		115.000	H		70.000	G	700NA	30	32	4.000
	HST9210	NS 605	3	HUG	40	30	5.0		115.000	H		70.000	G	5UA	20	23	2.000
	HST9801	NS 605	3	HUG	60	40	12.0		83.000	H		70.000	G	1UA	40	35	4.000
	HST9802	NS 605	3	HUG	80	60	12.0		83.000	H		70.000	G	1UA	60	35	4.000
	HST9803	NS 605	3	HUG	100	80	12.0		83.000	H		70.000	G	1UA	80	35	4.000
	HST9804	NS 605	3	HUG	120	100	12.0		83.000	H		70.000	G	1UA	100	35	4.000
	HST9901	NS 561	61	HUG	60	40	12.0		61.000	H		70.000	G	1UA	40	35	4.000
	HST9902	NS 561	61	HUG	80	60	12.0		61.000	H		70.000	G	1UA	60	35	4.000
	HST9903	NS 561	61	HUG	100	80	12.0		61.000	H		70.000	G	1UA	80	35	4.000
	HST9904	NS 561	61	HUG	120	100	12.0		61.000	H		70.000	G	1UA	100	35	4.000
	IRTR62	NS 210	5	INR	50	30		.250	.500	A		250.000	G			23	
	IRTR63	NS 210	5	INR	50	30		.250	2.000	C		250.000	G			23	
	IRTR64	NS 210	39	INR	50	30		.400	5.000	C		400.000	G			23	
	IRTR65	NS 210	39	INR	50	25		1.500	5.000	C		175.000	G			15	
	IRTR66	NS 540	60	INR	50	25		3.300	70.000	C		175.000	G			15	
	IRTR67	NS 605	3	INR	700	400		5.000	100.000	C		2.000	G			15	
	IRTR68	NS 605	3	INR	500	600		1.000	50.000	C		1.000	G			40	
	IRTR69	NS 45	98	INR	40	40		.200	.400	A		60.000	G				
	IRTR-50	PG 605	66	INR	45			5.000	57.000	A							
	IRTR-51	NS 173	106	INR	120			.100	.310	A							
	IRTR-52	PS 173	106	INR	80			.100	.310	A							
	IRTR-53	NS 173	106	INR	110			.300	.310	A							
	IRTR-54	PS 41	92	INR	45			.600	.310	A							
	IRTR-55	NS 52 A		INR	82			3.000	12.500	C							
	IRTR-56	PS 52 A		INR	82			3.000	12.500	C							
	IRTR-57	NS 605	66	INR	90			4.000	25.000	C							
	IRTR-58	PS 605	66	INR	90			4.000	25.000	C							
	IRTR-59	NS 605	3	INR	70			10.000	150.000	C							
	IRTR-60	NS 48 B		INR	375			.500	20.000	C							
	IRTR-61	NS 605	3	INR	400			10.000	125.000	C							
	JR5	PG 120	58	SEM	30	20	10.0	.200	.200	A		1.000	G			70	
	JR10	PG 120	58	SEM	20	20	1.0	.100	.100	A		40.000	G			50	
	JR15	PG 120	58	SEM	35	25	20.0	.200	.250	A		.500	G			150	
	JR30	PG 120	58	SEM	20	20	2.0	.100	.100	A		70.000	G			100	
	JR30X	PG 120	58	SEM	20	20	2.0	.100	.100	A		130.000	G			150	
	JR100	PG 210	18	SEM	12	12	1.0	.100	.100	A		150.000	G			70	
	JR200	PG 210	18	SEM	15	15	2.0	.100	.100	A		250.000	G			100	
	KF2000	PG 211	5	KSC	80	50S	20.0	3.000	.400	C	100J	.010	E	650UA	80	35	1.000
	KF2001	PG 211	5	KSC	120	100S	20.0	3.000	.400	C	100J	.010	E	650UA	120	60	1.000
	KF2002	PG 211	5	KSC	80	50S	20.0	3.000	.400	C	100J	.010	E	650UA	80	35	1.000
	KF2003	PG 211	5	KSC	120	100S	20.0	3.000	.400	C	100J	.010	E	650UA	120		
	KL8010	PG 170	8	KSC	60	35	30.0	10.000	42.000	C	110J	.800	G	2MA	60	75	5.000
	KL8011	PG 170	8	KSC	60	35	30.0	10.000	42.000	C	110J	.800	G	2MA	60	75	5.000
	KL8012	PG 170	8	KSC	100	50	30.0	10.000	42.000	C	110J	.800	G	2MA	100	100	5.000
	KL8013	PG 170	8	KSC	100	50	30.0	10.000	42.000	C	110J	.800	G	2MA	100	100	5.000
	KL8503	PG 170	8	KSC	60	40	30.0	3.000	28.000	C	110J	.014	E	2MA	60	15	3.000
	KL8504	PG 170	8	KSC	60	40	30.0	3.000	28.000	C	110J	.014	E	2MA	60	22	3.000
	KL8505	PG 170	8	KSC	100	65	30.0	3.000	28.000	C	110J	.012	E	2MA	100	15	3.000
	KL8506	PG 170	8	KSC	100	65	30.0	3.000	28.000	C	110J	.012	E	2MA	100	22	3.000
	KR6003	PG 605	66	KSC	60	40	30.0	3.000	28.000	C	110J	.014	E	2MA	60	15	3.000
	KR6004	PG 605	66	KSC	60	40	30.0	3.000	28.000	C	110J	.012	E	2MA	60	22	3.000
	KR6005	PG 605	66	KSC	100	65	30.0	3.000	28.000	C	110J	.014	E	2MA	100	15	3.000
	KR6006	PG 605	66	KSC	100	65	30.0	3.000	28.000	C	110J	.012	E	2MA	100	22	3.000
	KR6500	PG 605	66	KSC	60	35	30.0	10.000	42.000	C	110J	.800	G	2MA	60	55	10.000
	KR6501	PG 605	66	KSC	60	35	30.0	10.000	42.000	C	110J	.800	G	2MA	60	110	10.000
	KR6502	PG 605	66	KSC	100	50	30.0	10.000	42.000	C	110J	.800	G	2MA	100	55	10.000
	KR6503	PG 605	66	KSC	100	50	30.0	10.000	42.000	C	110J	.800	G	2MA	100	110	10.000
	KS6101	NS 210	39	KER	60	60	4.5	1.000	4.000	H	200J	600.000	G	500UA	40	22	.250
	KS6102	NS 210	39	KER	40	40	4.5	1.000	4.000	H	200J	450.000	G	500UA	25	22	.250
	KS6103	NS 210	39	KER	60	60	4.5	1.000	4.000	H	200J	360.000	G	500UA	40	15	.500
	KS6104	NS 210	39	KER	40	40	4.5	1.000	4.000	H	200J	300.000	G	500UA	25	15	.500
	KS6105	NS 210	39	KER	60	60	4.5	2.000	4.000	H	200J	480.000	G	500UA	40	30	1.000
	KS6106	NS 210	39	KER	40	40	4.5	2.000	4.000	H	200J	400.000	G	500UA	25	30	1.000
	KS6107	NS 632	37	KER	60	60	4.5	2.000	6.000	H	200J	250.000	G	500UA	40	22	1.000
	KS6108	NS 632	37	KER	40	40	4.5	2.000	6.000	H	200J	225.000	G	500UA	25	22	1.000
	KS6109	NS 540	60	KER	80	80	4.5	2.000	8.000	H	200J	400.000	G	500UA	60	22	1.000
	KS6110	NS 540	60	KER	40	40	4.5	2.000	8.000	H	200J	350.000	G	500UA	25	22	1.000
	KS6111	NS 540	60	KER	80	80	4.5	2.000	8.000	H	200J	400.000	G	500UA	60	22	1.000
	KS6112	NS 540	60	KER	80	80	4.5	2.000	8.000	H	200J	350.000	G	500UA	25	22	1.000
	KS6113	NS 543	60	KER	30	30	4.5	4.000	15.000	H	200J	250.000	G	500UA	20	15	2.000
	KS6114	NS 543	60	KER	20	20	4.5	4.000	15.000	H	200J	250.000	G	500UA	15	15	2.000
	KS6115	NS 543	60	KER	30	30	4.5	7.000	18.000	H	200J	250.000	G	500UA	20	15	5.000
	KS6116	NS 543	60	KER	20	20	4.5	7.000	18.000	H	200J	250.000	G	500UA	15	15	5.000
	KS6117	NS 605	3	KER	100	100	4.5	10.000	50.000	H	200J	150.000	G	500UA	60	22	5.000
	KS6118	NS 605	3	KER	60	60	4.5	10.000	50.000	H	200J	150.000	G	500UA	40	22	5.000
	KS6119	NS 605	3	KER	40	40	4.5	10.000	50.000	H	200J	150.000	G	500UA	25	22	5.000
	KS6120	NS 605	3	KER	100	100	4.5	15.000	60.000	H	200J	150.000	G	500UA	60	22	10.000
	KS6121	NS 605	3	KER	60	60	4.5	15.000	60.000	H	200J	150.000	G	500UA	40	22	10.000
	KS6122	NS 605	3	KER	40	40	4.5	15.000	60.000	H	200J	150.000	G	500UA	25	22	10.000
	KS6123	NS 605	3	KER	80	80	4.5	10.000	50.000	H	200J	150.000	G	500UA	60	22	5.000
	KS6124	NS 605	3	KER	40	40	4.5	10.000	50.000	H	200J	150.000	G	500UA	25	22	5.000
	KS6125	NS 605	3	KER	80	80	4.5	15.000	60.000	H	200J	150.000	G	500UA	60	22	10.000
	KS6126	NS 605	3	KER	40	40	4.5	15.000	60.000	H	200J	150.000	G	500UA	25	22	10.000
	KSD1051	NS 605	3	KER	55	45	7.0	15.000	65.000	H	200J	.800	G	2MA	30	38	4.000
	KSD1052	NS 605	3	KER	100	80	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD1053	NS 605	3	KER	120	100	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD1054	NS 605	3	KER	140	120	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD1055	NS 605	3	KER	55	45	7.0	15.000	65.000	H	200J	.800	G	2MA	30	38	4.000
	KSD1056	NS 605	3	KER	80	60	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD1057	NS 605	3	KER	100	80	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD1058	NS 605	3	KER	120	100	7.0	15.000	65.000	H	200J	.800	G	700UA	30	38	4.000
	KSD2101	NS 605	66	KER	80	45	7.0	4.000	16.600	H	200J	.800	G	1MA	80	50	.500
	KSD2102	NS 605	66	KER	70	35	7.0	4.000	16.600	H	200J	.800	G	1MA	70	50	.500
	KSD2103	NS 605	66	KER	60	25	7.0	4.000	16.600	H	200J	.800	G	1MA	60	50	.500
	KSD2201	NS 605	3	KER	140	120	7.0	10.000	65.000	H	200J	AUD		1MA	120	38	3.000
	KSD2202	NS 605	3	KER	120	100	7.0	10.000	65.000	H	200J	AUD		1MA	100	38	3.000
	KSD2203	NS 605	3	KER	100	80	7.0	10.000	65.000	H	200J	AUD		1MA	80	38	3.000
	KSD3055	NS 605	3	KER	100	60	7.0	15.000	65.000	H	200J	.800	G	5MA	100	30	4.000
	KSD3771	NS 605	3	KER	50	40	5.0	30.000	85.000	H	200J	AUD		10MA	30	17	15.000
	KSD3772	NS 605	3	KER	100	60	7.0	20.000	85.000	H	200J	AUD		10MA	50	17	10.000
	KSD3773	NS 605	3	KER	160	140	7.0	16.000	85.000	H	200J	AUD		10MA	120	17	8.000
	KSD9701	NS 605	3	KER	100	80	7.0	16.000	85.000	H	200J	AUD		10MA	60	30	8.000
	KSD9701A	NS 605	3	KER	100	80	7.0	16.000	85.000	H	200J	AUD		10MA	60	17	8.000
	KSD9702	NS 605	3	KER	120	100	7.0	16.000	85.000	H	200J	AUD		10MA	80	30	8.000
	KSD9702A	NS 605	3	KER	120	100	7.0	16.000	85.000	H	200J	AUD		10MA	80	17	8.000
	KSD9703	NS 605	3	KER	140	120	7.0	16.000	85.000	H	200J	AUD		10MA	100	30	8.000
	KSD9703A	NS 605	3	KER	140	120	7.0	16.000	85.000	H	200J	AUD		10MA	100	17	8.000
	KSD9704	NS 605	3	KER	100	80	7.0	16.000	85.000	H	200J	AUD		10MA	60	40	5.000
	KSD9705	NS 605	3	KER	120	100	7.0	16.000	85.000	H	200J	AUD		10MA	80	40	5.000
	KSD9706	NS 605	3	KER	140	120	7.0	16.000	85.000	H	200J	AUD		10MA	100	40	5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)
	KSD9707	NS 605	3	KER	80	60	7.0	16.000	85.000	H	200J		AUD		10MA	40	23 5.000
	KSP1001	NS 563	114	KER	80	60	8.0	100.000	200.000	H	200J		15.000	G	10UA	40	20 70.000
	KSP1002	NS 563	114	KER	100	80	8.0	100.000	200.000	H	200J		15.000	G	10UA	60	20 70.000
	KSP1003	NS 563	114	KER	120	100	8.0	100.000	200.000	H	200J		15.000	G	10UA	100	20 70.000
	KSP1051	NS 210	39	KER	225	200	8.0	5.000	4.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1052	NS 210	39	KER	250	225	8.0	5.000	4.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1053	NS 210	39	KER	275	250	8.0	5.000	4.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1054	NS 210	39	KER	300	275	8.0	5.000	4.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1055	NS 210	39	KER	325	300	8.0	5.000	4.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1071	NS 605	66	KER	225	200	8.0	5.000	20.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1072	NS 605	66	KER	250	225	8.0	5.000	20.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1073	NS 605	66	KER	275	250	8.0	5.000	20.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1074	NS 605	66	KER	300	275	8.0	5.000	20.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1075	NS 605	66	KER	325	300	8.0	5.000	20.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1091	NS 605	3	KER	225	200	8.0	5.000	40.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1092	NS 605	3	KER	250	225	8.0	5.000	40.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1093	NS 605	3	KER	275	250	8.0	5.000	40.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1094	NS 605	3	KER	300	275	8.0	5.000	40.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1095	NS 605	3	KER	325	300	8.0	5.000	40.000	H	200J		40.000	G	1UA	100	35 1.000
	KSP1101	NS 561	61	KER	225	200	8.0	10.000	50.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1102	NS 561	61	KER	250	225	8.0	10.000	50.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1103	NS 561	61	KER	275	250	8.0	10.000	50.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1104	NS 561	61	KER	300	275	8.0	10.000	50.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1105	NS 561	61	KER	325	300	8.0	10.000	50.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1141	NS 605	3	KER	225	200	8.0	10.000	65.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1142	NS 605	3	KER	250	225	8.0	10.000	65.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1143	NS 605	3	KER	275	250	8.0	10.000	65.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1144	NS 605	3	KER	300	275	8.0	10.000	65.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1145	NS 605	3	KER	325	300	8.0	10.000	65.000	H	200J		40.000	G	10UA	100	35 5.000
	KSP1151	NS 561	61	KER	60	40	8.0	10.000	50.000	H	200J		60.000	G	1UA	40	35 5.000
	KSP1152	NS 561	61	KER	100	80	8.0	10.000	50.000	H	200J		60.000	G	1UA	60	35 5.000
	KSP1153	NS 561	61	KER	140	120	8.0	10.000	50.000	H	200J		60.000	G	1UA	100	35 5.000
	KSP1154	NS 561	61	KER	60	40	8.0	10.000	50.000	H	200J		60.000	G	1UA	40	70 5.000
	KSP1155	NS 561	61	KER	100	80	8.0	10.000	50.000	H	200J		60.000	G	1UA	60	70 5.000
	KSP1156	NS 561	61	KER	140	120	8.0	10.000	50.000	H	200J		60.000	G	1UA	100	70 5.000
	KSP1171	NS 605	3	KER	60	40	8.0	10.000	65.000	H	200J		60.000	G	1UA	40	35 5.000
	KSP1172	NS 605	3	KER	100	80	8.0	10.000	65.000	H	200J		60.000	G	1UA	60	35 5.000
	KSP1173	NS 605	3	KER	140	120	8.0	10.000	65.000	H	200J		60.000	G	1UA	100	35 5.000
	KSP1174	NS 605	3	KER	60	40	8.0	10.000	65.000	H	200J		60.000	G	1UA	40	70 5.000
	KSP1175	NS 605	3	KER	100	80	8.0	10.000	65.000	H	200J		60.000	G	1UA	60	70 5.000
	KSP1176	NS 605	3	KER	140	120	8.0	10.000	65.000	H	200J		60.000	G	1UA	100	70 5.000
	KSP1201	NS 560	63	KER	200	200	8.0	20.000	100.000	H	200J		30.000	G	10UA	100	30 10.000
	KSP1202	NS 560	63	KER	225	225	8.0	20.000	100.000	H	200J		30.000	G	10UA	100	30 10.000
	KSP1203	NS 560	63	KER	250	250	8.0	20.000	100.000	H	200J		30.000	G	10UA	100	30 10.000
	KSP1204	NS 560	63	KER	275	275	8.0	20.000	100.000	H	200J		30.000	G	10UA	100	30 10.000
	KSP1205	NS 560	63	KER	300	300	8.0	20.000	100.000	H	200J		30.000	G	10UA	100	30 10.000
	KSP1251	NS 560	63	KER	60	40	8.0	20.000	100.000	H	200J		35.000	G	10UA	40	35 10.000
	KSP1252	NS 560	63	KER	100	80	8.0	20.000	100.000	H	200J		35.000	G	10UA	60	35 10.000
	KSP1253	NS 560	63	KER	140	120	8.0	20.000	100.000	H	200J		35.000	G	10UA	100	35 10.000
	KSP1254	NS 560	63	KER	60	40	8.0	20.000	100.000	H	200J		35.000	G	10UA	40	70 10.000
	KSP1255	NS 560	63	KER	100	80	8.0	20.000	100.000	H	200J		35.000	G	10UA	60	70 10.000
	KSP1256	NS 560	63	KER	140	120	8.0	20.000	100.000	H	200J		35.000	G	10UA	100	70 10.000
	KSP1601	NS 563	114	KER	200	200	8.0	10.000	200.000	H	200J		15.000	G	10UA	100	20 40.000
	KSP1602	NS 563	114	KER	225	225	8.0	10.000	200.000	H	200J		15.000	G	10UA	100	20 40.000
	KSP1603	NS 563	114	KER	250	250	8.0	10.000	200.000	H	200J		15.000	G	10UA	100	20 40.000
	KSP1604	NS 563	114	KER	275	275	8.0	10.000	200.000	H	200J		15.000	G	10UA	100	20 40.000
	KSP1605	NS 563	114	KER	300	300	8.0	10.000	200.000	H	200J		15.000	G	10UA	100	20 40.000
	KT218	NS 210	18	KEL	40	15	4.5	.200	.300	A	175J		270.000	G	100NA	20	45 .010
	KT218F	NS 210	18	KEL	40	15	4.5	.200	.300	A	175J				100NA	20	70 .010
	KT600	NS 210	5	KEL	50	30	5.0	1.000	.800	A	175J				1UA	40	60 .100
	KT600F	NS 210	5	KEL	60	50	5.0	1.000	.800	A	175J				500NA	40	60 .100
	KT600G	NS 210	5	KEL	90	70	5.0	1.000	.800	A	175J				500NA	50	60 .100
	KT600T	NS 210	5	KEL	60	50	5.0	1.000	.800	A	175J				1UA	40	60 .100
	L10A	NS 607 A		SEJ	50	50	4.0	10.000	200.000	C	150J		5.000	B			30
	L10B	NS 607 A		SEJ	100	100	4.0	10.000	200.000	C	150J		5.000	B			30
	L10C	NS 607 A		SEJ	200	200	4.0	10.000	200.000	C	150J		5.000	B			30
	L10D	NS 607 A		SEJ	300	300	4.0	10.000	200.000	C	150J		5.000	B			30
	L20A	NS 607 A		SEJ	50	50	4.0	20.000	200.000	C	150J		5.000	B			30
	L20B	NS 607 A		SEJ	100	100	4.0	20.000	200.000	C	150J		5.000	B			30
	L20C	NS 607 A		SEJ	200	200	4.0	20.000	200.000	C	150J		5.000	B			30
	L20D	NS 607 A		SEJ	300	300	4.0	20.000	200.000	C	150J		5.000	B			30
	L30A	NS 607 A		SEJ	50	50	4.0	30.000	200.000	C	150J		5.000	B			30
	L30B	NS 607 A		SEJ	100	100	4.0	30.000	200.000	C	150J		5.000	B			30
	L30C	NS 607 A		SEJ	200	200	4.0	30.000	200.000	C	150J		5.000	B			30
	L30D	NS 607 A		SEJ	300	300	4.0	30.000	200.000	C	150J		5.000	B			30
	LDA400	NS 890 A		AMP	35	35	5.0	.030	.360	A	150J		250.000	G	10NA	10	70 .001
	LDA401	NS 890 A		AMP	35	35	5.0	.030	.360	A	150J		250.000	G	10NA	10	175 .001
	LDA402	NS 890 A		AMP	35	35	5.0	.030	.360	A	150J		250.000	G	100NA	35	175 .001
	LDA403	NS 890 A		AMP	35	35	5.0	.030	.360	A	150J		250.000	G	100NA	35	420 .001
	LDA404	NS 890 A		AMP	60		5.0	.800	.250	A			200.000	G	10NA		30 .010
	LDA405	NS 890 A		AMP	60		5.0	.800	.250	A			200.000	G	10NA		70 .010
	LDA406	NS 890 A		AMP	30	15	3.0	.025	.300	A	150J		600.000	G	10NA	15	40 .003
	LDA407	NS 890 A		AMP		15		.025	.360	A	150A		1000.000	G			53
	LDA410	NS 890 A		AMP		35		.025	.360	A	150A						6
	LDA420	NS 890 A		AMP		25		.150	.360	A	150A						38
	LDA450	PS 890 A		AMP	45	30	5.0	.030	.360	A	150J		200.000	G	10NA	40	70 .010
	LDA451	PS 890 A		AMP	45	30	5.0	.030	.360	A	150J		200.000	G	10NA	40	175 .010
	LDA452	PS 890 A		AMP		30		.300	.360	A	150A		200.000	G			70
	LDA453	PS 890 A		AMP		30		.300	.360	A	150A		200.000	G			175
	LDS200	NS 890 A		AMP	30	15	4.5		.360	A	150J		500.000	G	500NA	20	35 .010
	LDS201	NS 890 A		AMP	30	15	4.5		.360	A	150J		500.000	G	500NA	20	70 .010
	LDS205	NS 890 A		AMP		6		.100	.360	A	150A		600.000	G			50
	LDS206	NS 890 A		AMP		20		.030	.360	A	150A		250.000	G			150
	LDS208	NS 890 A		AMP		30		.300	.360	A	150A						45
	M5A	NS 605	3	SEJ	50	50	4.0	5.000	100.000	C	150J		5.000	B			30
	M5B	NS 605	3	SEJ	100	100	4.0	5.000	100.000	C	150J		5.000	B			30
	M5C	NS 605	3	SEJ	200	200	4.0	5.000	100.000	C	150J		5.000	B			30
	M5D	NS 605	3	SEJ	300	300	4.0	5.000	100.000	C	150J		5.000	B			30
	M10A	NS 605	3	SEJ	50	50	4.0	10.000	100.000	C	150J		5.000	B			30
	M10B	NS 605	3	SEJ	100	100	4.0	10.000	100.000	C	150J		5.000	B			30
	M10C	NS 605	3	SEJ	200	200	4.0	10.000	100.000	C	150J		5.000	B			30
	M10D	NS 605	3	SEJ	300	300	4.0	10.000	100.000	C	150J		5.000	B			30
	M80738	PG 120	1	TOS	18		12.0	.100	.150	A	85J		10.000	B	10UA	18	
	M80738	PG 120	1	TOS	18	18S	12.0	.100	.150	A	85J		4.000	B	10UA	18	48 .024
	M9010	NS 45	98	TOS	20		2.0	.050	.200	A	125J		1200.000	G	500NA	20	
	MA100	PG 210	5	MOT	60	60S	15.0	.500	.200	A	100J		1.000	B	100UA	60	60 .010
	MA112	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	48 .001
	MA113	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	81 .001
	MA114	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	162 .001
	MA115	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	71 .001
	MA116	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	112 .001
	MA117	PG 210	5	MOT	15	15	15.0	.200	.175	A	85S				15UA	15	92 .001
	MA200	PG 210	5	MOT	105	105	10.0	.200	.150	A	100J		1.000	B	50UA	105	40 .005
	MA201	PG 210	5	MOT	105	105	10.0	.200	.150	A	100J		1.000	B	50UA	105	40 .005
	MA202	PG 210	5	MOT	105	105	20.0	.200	.150	A	100J		1.000	B	50UA	105	80 .005
	MA203	PG 210	5	MOT	105	105	20.0	.200	.150	A	100J		1.000	B	50UA	105	80 .005
	MA204	PG 210	5	MOT	90	90	20.0	.200	.150	A	100J		1.000	B	50UA	90	40 .005
	MA205	PG 210	5	MOT	75	75	20.0	.200	.150	A	100J		1.000	B	50UA	75	40 .005
	MA206	PG 210	5	MOT	60	60	10.0	.200	.150	A	100J		9.000	B	50UA	60	40 .005
	MA286	PG 210	5	MOT	10	10	15.0	.200	.175	A	85S				600UA	10	24 .001
	MA287	PG 210	5	MOT	10	10	15.0	.200	.175	A	85S				600UA	10	92 .001
	MA288	PG 210	5	MOT	10	10	15.0	.200	.175	A	85S				600UA	10	270 .001
	MA881	PG 210	5	MOT	60	60S	15.0	.500	.200	A	100J		.750	B	100UA	60	48 .001
	MA882	PG 210	5	MOT	60	60S	15.0	.500	.200	A	100J		1.000	B	100UA	60	80 .001
	MA883	PG 210	5	MOT	60	60S	15.0	.500	.200	A	100J		1.250	B	100UA	60	160 .001
	MA884	PG 210	5	MOT	60	60S	15.0	.500	.200	A	100J		1.750	B	100UA	60	290 .001
	MA885	PG 210	5	MOT	50	50S	15.0	.500	.200	A	100J		.500	B	100UA	50	26 .001
	MA886	PG 210	5	MOT	50	50S	15.0	.500	.200	A	100J		.750	B	100UA	50	48 .001
	MA887	PG 210	5	MOT	50	50S	15.0	.500	.200	A	100J		1.000	B	100UA	50	80 .001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ I_C(A)	
	MA888	PG 210	5	MOT	50	50S	15.0	.500	.200	A	100J		1.250	B	100UA 50	160 .001
	MA889	PG 210	5	MOT	50	50S	15.0	.500	.200	A	100J		1.750	B	100UA 50	290 .001
	MA909	PG 210	5	MOT	75	75	35.0	.200	.150	A	100J				50UA 75	40 .005
	MA910	PG 210	5	MOT	90	90	45.0	.200	.150	A	100J				50UA 90	40 .005
	MA1702	PG 210	5	MOT	45	30R	30.0	.500	.200	A	100J		7.000	B	10UA 30	400 .100
	MA1703	PG 210	5	MOT	25	25R	25.0	.500	.200	A	100J		3.000	B	15UA 25	190 .100
	MA1704	PG 210	5	MOT	25	25R	25.0	.500	.200	A	100J		5.000	B	15UA 25	250 .100
	MA1705	PG 210	5	MOT	25	25R	25.0	.500	.200	A	100J		6.000	B	15UA 25	400 .100
	MA1706	PG 210	5	MOT	15	15R	4.5	.500	.200	A	100J		3.000	B	15UA 15	199 .100
	MA1707	PG 210	5	MOT	15	15R	4.5	.500	.200	A	100J		4.000	B	15UA 15	250 .100
	MA1708	PG 210	5	MOT	15	15R	4.5	.500	.200	A	100J		5.000	B	15UA 15	400 .100
	-MCS2135	NS 935 A		MOT	75	60	6.0	.050	.150	A	125J		100.000	G	10NA 50	180 .001
	-MCS2136	NS 935 A		MOT	75	60	6.0	.050	.150	A	125J		100.000	G	10NA 50	430 .001
	-MCS2137	PS 935 A		MOT	60	60	5.0	.050	.150	A	125J		100.000	G	20NA 50	180 .001
	-MCS2138	PS 935 A		MOT	60	60	5.0	.050	.150	A	125J		100.000	G	20NA 50	430 .001
	-MD420	PG 217	12	SPR	20			.050	.060	A	125J		100.000	G	10UA	10
	-ME213	NS 211	18	AMP	45		5.0	.025	.300	A			100.000	G	100NA	50 .001
	-ME213A	NS 211	18	AMP	45		5.0		.300	A			100.000	G	100NA	50 .001
	-ME900	NS 210	18	AMP	40	20	5.0		.360	A	200J		100.000	G	10NA 20	140
	-ME900A	NS 210	18	AMP	40	20	5.0		.360	A	200J		100.000	G	10NA 20	140
	-ME901	NS 210	18	AMP	40	20	5.0		.360	A	200J		100.000	G	10NA 20	350
	-ME901A	NS 210	18	AMP	40	20	5.0		.360	A	200J		100.000	G	10NA 20	350
	ME2304	PS 217	72	MOT	18	12	5.0		.300	A	200J		700.000	G	10NA 9	60 .010
	-MHT1802	PG 405	36	MHR	80	60	30.0	65.000	170.000	C	110J		.150	G	5MA 80	70
	-MHT1803	PG 405	36	MHR	60	45	30.0	65.000	170.000	C	110J		.150	G	5MA 60	70
	-MHT1807	PG 405	36	MHR	40	30	20.0	65.000	170.000	C	110J		.050	G	5MA 40	70
	MHT1808-1810			SEE SDT1808-1810												
	-MHT1902	PG 172 E		MHR	80	60	30.0	65.000	140.000	C	110J		.150	G	5MA 80	70
	-MHT1903	PG 172 E		MHR	60	45	30.0	65.000	140.000	C	110J		.150	G	5MA 60	70
	-MHT1904	PG 172 E		MHR	40	30	20.0	65.000	140.000	C	110J		.150	G	5MA 40	70
	MHT1908-1910			SEE SDT1908-1910												
	-MHT2002	PG 571 A		MHR	80	60	3.0	65.000	140.000	C	110J		.150	G	5MA 80	70
	-MHT2003	PG 571 A		MHR	60	45	3.0	65.000	140.000	C	110J		.150	G	5MA 60	70
	-MHT2004	PG 571 A		MHR	40	30	2.0	65.000	140.000	C	110J		.150	G	5MA 40	70
	MHT2008-2010			SEE SDT2008-2010												
	-MHT2101	PG 390 A		SOL	10	5		150.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2110	PG 390 A		SOL	10	5		150.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2111	PG 390 A		SOL	10	5		175.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2112	PG 390 A		SOL	10	5		200.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2150	PG 390 B		SOL	10	5		150.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2151	PG 390 B		SOL	10	5		175.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2152	PG 390 B		SOL	10	5		200.000	100.000	C	100J		450.000	G		80 1.000
	-MHT2205	PG 176 E		SOL	10	5	5.0	50.000	140.000	C	110J		.450	G	5MA 10	120 25.000
	-MHT2305	PG 403	68	SOL	10	5	5.0	65.000	170.000	C	110J		.450	G	5MA 10	120 25.000
	-MHT4401	NS 211	5	MHR	60	60	5.0		.800	A	200J		40.000	G	1UA 30	60
	-MHT4402	NS 211	5	MHR	120	100	5.0		.800	A	200J		40.000	G	1UA 60	60
	-MHT4411	NS 211	5	MHR	60	40	5.0	.600	.800	A	200J		50.000	G	1UA 30	40
	-MHT4412	NS 211	5	MHR	60	40	5.0	.600	.800	A	200J		50.000	G	1UA 30	80
	-MHT4413	NS 211	5	MHR	60	40	5.0	.600	.800	A	200J		50.000	G	1UA 30	160
	-MHT4414	NS 211	5	MHR	80	60	5.0	.600	.800	A	200J		50.000	G	1UA 30	40
	-MHT4415	NS 211	5	MHR	80	60	5.0	.600	.800	A	200J		50.000	G	1UA 30	80
	-MHT4416	NS 211	5	MHR	80	60	5.0	.600	.800	A	200J		50.000	G	1UA 30	160
	-MHT4417	NS 211	5	MHR	120	80	5.0	.600	.800	A	200J		50.000	G	1UA 30	40
	-MHT4418	NS 211	5	MHR	120	80	5.0	.600	.800	A	200J		50.000	G	1UA 30	80
	-MHT4419	NS 211	5	MHR	120	80	5.0	.600	.800	A	200J		50.000	G	1UA 30	160
	MHT4451-4483			SEE SDT4451-4483												
	-MHT4501	NS 490 A		MHR	60	40	5.0	.600	10.000	C	200J		50.000	G	1UA 30	40
	-MHT4502	NS 490 A		MHR	120	50	5.0	.600	10.000	C	200J		40.000	G	2UA 60	60
	-MHT4503	NS 490 A		MHR	60	40	5.0	.600	10.000	C	200J		50.000	G	1UA 30	160
	-MHT4514	NS 490 A		MHR	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA 30	40
	-MHT4515	NS 490 A		MHR	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA 30	80
	-MHT4516	NS 490 A		MHR	80	60	5.0	.600	10.000	C	200J		50.000	G	1UA 30	160
	-MHT4517	NS 490 A		MHR	120	80	5.0	.600	10.000	C	200J		50.000	G	2UA 60	40
	-MHT4518	NS 490 A		MHR	120	80	5.0	.600	10.000	C	200J		50.000	G	2UA 60	80
	-MHT4519	NS 490 A		MHR	120	80	5.0	.600	10.000	C	200J		50.000	G	2UA 60	160
	MHT4551-4583			SEE SDT4551-4583												
	-MHT4611	NS 171	8	SOL	60	40	8.0		14.000	H	200J		40.000	G	1UA 40	36 1.000
	-MHT4612	NS 171	8	SOL	80	60	8.0		14.000	H	200J		40.000	G	1UA 40	36 1.000
	-MHT4613	NS 171	8	SOL	100	80	8.0		14.000	H	200J		40.000	G	1UA 40	36 1.000
	-MHT4614	NS 171	8	SOL	60	40	8.0		14.000	H	200J		60.000	G	1UA 60	70 1.000
	-MHT4615	NS 171	8	SOL	80	60	8.0		14.000	H	200J		60.000	G	1UA 60	70 1.000
	-MHT4616	NS 171	8	SOL	100	80	8.0		14.000	H	200J		60.000	G	1UA 60	70 1.000
	-MHT4617	NS 171	8	SOL	60	40	8.0		14.000	H	200J		70.000	G	1UA 70	176 1.000
	-MHT4618	NS 171	8	SOL	80	60	8.0		14.000	H	200J		70.000	G	1UA 70	176 1.000
	-MHT4619	NS 171	8	SOL	100	80	8.0		14.000	H	200J		70.000	G	1UA 70	176 1.000
	MHT5001-5015			SEE SDT5001-5015												
	MHT5051-5056			SEE SDT5051-5056												
	MHT5501-5515			SEE SDT5501-5515												
	MHT5551-5556			SEE SDT5551-5556												
	MHT5901-5915			SEE SDT5901-5915												
	MHT5951-5956			SEE SDT5951-5956												
	MHT6001-6031			SEE SDT6001-6031												
	MHT6308-6316			SEE SDT6308-6316												
	MHT6408-6416			SEE SDT6408-6416												
	MHT7011-7019			SEE SDT7011-7019												
	MHT7201-7209			SEE SDT7201-7209												
	MHT7401-7419			SEE SDT7401-7419												
	-MHT7511	NS 171	8	SOL	60	40	5.0		20.000	H	200J		40.000	G	1UA 60	36 5.000
	-MHT7512	NS 171	8	SOL	80	60	5.0		20.000	H	200J		40.000	G	1UA 60	36 5.000
	-MHT7513	NS 171	8	SOL	100	80	5.0		20.000	H	200J		40.000	G	1UA 60	36 5.000
	-MHT7514	NS 171	8	SOL	60	40	5.0		20.000	H	200J		50.000	G	1UA 60	70 5.000
	-MHT7515	NS 171	8	SOL	80	60	5.0		20.000	H	200J		50.000	G	1UA 60	70 5.000
	-MHT7516	NS 171	8	SOL	100	80	5.0		20.000	H	200J		50.000	G	1UA 60	70 5.000
	-MHT7517	NS 171	8	SOL	60	40	5.0		20.000	H	200J		60.000	G	1UA 60	176 5.000
	-MHT7518	NS 171	8	SOL	80	60	5.0		20.000	H	200J		60.000	G	1UA 60	176 5.000
	-MHT7519	NS 171	8	SOL	100	80	5.0		20.000	H	200J		60.000	G	1UA 60	176 5.000
	MHT7601-7612			SEE SDT7601-7612												
	MHT7801-7809			SEE SDT7801-7809												
	MHT7901-7910			SEE SDT7901-7910												
	MHT8002-8071			SEE SDT8002-8071												
	MHT8301-8304			SEE SDT8301-8304												
	MHT9001-9012			SEE SDT9001-9012												
	MJ400	NS 605	66	MOT	350	325	5.0	.250	6.670	C	175J		15.000	G	1MA 325	110 .050
	MJ413	NS 605	3	MOT	400	400	5.0	10.000	125.000	C	150J		6.000	G	250UA 400	40 .500
	MJ420	NS 211	5	MOT	275	250	6.0	.100	.800	A	175J		30.000	G	100UA 275	90 .030
	MJ421	NS 211	5	MOT	350	325	6.0	.100	.800	A	175J		30.000	G	100UA 350	90 .030
	MJ423	NS 605	3	MOT	400	400	5.0	10.000	125.000	C	150J		5.000	G	250UA 400	52 1.000
	MJ431	NS 605	3	MOT	400	400	5.0	10.000	125.000	C	150J		4.000	G	3MA 400	24 2.500
	-MJ432	NS 605	3	MOT		400			125.000	C	200J		2.500	G		24 2.500
	-MJ440	NS 210	5	MOT		40			6.000	C	200J		3.000	G		63 .250
	MJ450	PS 605	3	MOT		40			150.000	C	200J		2.000	G		30 10.000
	MJ480	NS 605	3	MOT		40			87.500	C	200J		4.000	G		80 1.000
	MJ481	NS 605	3	MOT		60			87.500	C	200J		4.000	G		80 1.000
	MJ490	PS 605	3	MOT		40			87.500	C	200J		4.000	G		80 1.000
	MJ491	PS 605	3	MOT		60			87.500	C	200J		4.000	G		80 1.000
	MJ500	PS 561	59	MOT	60	60	5.0	7.000	60.000	C	200J		30.000	G	10UA 60	70 2.000
	MJ501	PS 561	59	MOT	80	80	5.0	7.000	60.000	C	200J		30.000	G	10UA 80	70 2.000
	MJ802	NS 605	3	MOT	100	90	4.0	7.500	200.000	C	200J		2.000	G	1MA 100	50 7.500
	MJ1800	NS 605	3	MOT		500R	5.0	5.000	100.000	C	150J				200UA 500	70 .400
	MJ2249	NS 605	66	MOT	60	60	6.0	2.000	20.000	C	175J		30.000	G	100UA 60	87 .030
	MJ2250	NS 605	66	MOT	80	80	6.0	2.000	20.000	C	175J		30.000	G	100UA 80	87 .030
	MJ2251	NS 605	66	MOT		225	6.0	.500	10.000	C	150J		10.000	G	100UA 225	76 .050
	MJ2252	NS 605	66	MOT		300	6.0	.500	10.000	C	150J		10.000	G	100UA 300	76 .050
	-MJ2253	PS 605	66	MOT	70	60	7.0	4.000	25.000	C	200J		3.000	G	1MA 70	46 .250
	-MJ2254	PS 605	66	MOT	90	80	7.0	4.000	25.000	C	200J		3.000	G	1MA 90	46 .250
	MJ2267	PS 605	3	MOT	40	40	7.0	10.000	150.000	C	200J		3.000	G	1MA 40	32 3.000
	MJ2268	PS 605	3	MOT	55	55	7.0	10.000	150.000	C	200J		3.000	G	1MA 60	32 3.000
	MJ2801	NS 605	3	MOT	50	40	7.0	15.000	115.000	C	200J		1.000	G	5MA 50	30 8.000
	MJ2840	NS 605	3	MOT	60	60	4.0	10.000	150.000	C	200J				100UA 60	45 3.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.		I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	MJ2841	NS 605	3	MOT	80	80	4.0	10.000	150.000	C	200J			100UA	80	45	4.000
	MJ2901	PS 605	3	MOT	50	40	7.0	15.000	115.000	C	200J	1.000	G	5MA	50	30	8.000
	MJ2940	PS 605	3	MOT	60	60	4.0	10.000	150.000	C	200J			100UA	60	45	3.000
	MJ2941	PS 605	3	MOT	80	80	4.0	10.000	150.000	C	200J			100UA	80	45	4.000
	MJ3029	NS 605	3	MOT		500R	8.0	3.500	125.000	C	150J	AUD		1MA	500	6	3.000
	MJ3030	NS 605	3	MOT		700X	5.0	3.500	125.000	C	150J	AUD		2MA	700	45	.400
	MJ3101	NS 605	66	MOT	50	40	6.0	2.000	20.000	C	175J	30.000	G	100UA	50	87	.030
	MJ3201	NS 605	66	MOT	225	225	3.0	.100	15.000	C	175J	15.000	G	100UA	225	80	.050
	MJ3202	NS 605	66	MOT	300	300	3.0	.100	15.000	C	175J	15.000	G	100UA	300	80	.050
	MJ3701	PS 605	66	MOT	50	40	5.0	4.000	25.000	C	200J	3.000	G	1MA	50	46	.250
	MJ3771	NS 605	3	MOT	50	40	5.0	30.000	150.000	C	200J	2.000	G	2MA	50	30	15.000
	MJ3772	NS 605	3	MOT	100	60	7.0	20.000	150.000	C	200J	2.000	G	5MA	100	30	10.000
	MJ4502	PS 605	3	MOT	100	90	4.0	30.000	200.000	C	200J	2.000	G	1MA	100	50	7.500
	MJ6700	PS 560	59	MOT	60	60	5.0	7.000	60.000	C	200J	30.000	G	10UA	60	70	2.000
	MJ6701	PS 560	59	MOT	80	80	5.0	7.000	60.000	C	200J	30.000	G	10UA	80	70	2.000
	MJ7000	NS 561	63	MOT	100	100	7.0	30.000	150.000	C	200J	30.000	G	5UA	100	45	10.000
	MJ7200	NS 563	114	MOT	100	80	6.0	60.000	300.000	C	200J	20.000	G	100UA	100	45	20.000
	MJ7201	NS 563	114	MOT	120	100	6.0	60.000	300.000	C	200J	20.000	G	100UA	120	45	20.000
	MJ8100	PS 210	39	MOT	60	80	5.0	5.000	10.000	C	200J	30.000	G	10UA	60	70	2.000
	MJ8101	PS 210	39	MOT	60	80	5.0	5.000	10.000	C	200J	30.000	G	10UA	80	70	2.000
	MJ9000	NS 605	3	MOT		700S	5.0	10.000	125.000	C	150J			1MA	700		
	MJE105	PS 48 B		MOT	50	50	4.0	5.000	65.000	C	150J	AUD		100UA	50	50	2.000
	MJE205	NS 48 B		MOT	50	50	4.0	5.000	65.000	C	150J	AUD		100UA	50	50	2.000
	MJE340	NS 48 A		MOT		300	3.0	.500	20.800	C	150J	AUD		100UA	300	90	.050
	MJE341	NS 48 A		MOT	175	150	3.0	.500	20.800	C	150J			300UA	175	75	.050
	MJE344	NS 48 A		MOT	200	200	5.0	.500	20.800	C	150J			100UA	200	80	.050
	MJE370	PS 48 A		MOT	30	30	4.0	3.000	25.000	C	150J	AUD		100UA	30	38	1.000
	MJE371	PS 48 A		MOT	40	40	4.0	3.000	40.000	C	150J	AUD		100UA	40	60	1.000
	MJE520	NS 48 A		MOT	30	30	4.0	3.000	25.000	C	150J	AUD		100UA	30	38	1.000
	MJE521	NS 48 A		MOT	40	40	4.0	3.000	40.000	C	150J	AUD		100UA	40	60	.100
	MJE1290	PS 48 B		MOT	60	60	5.0	15.000	90.000	C	150J	3.000	G	700UA	40	45	5.000
	MJE1291	PS 48 B		MOT	60	60	5.0	15.000	90.000	C	150J	3.000	G	700UA	60	45	5.000
	MJE1660	NS 48 B		MOT	40	40	5.0	15.000	90.000	C	150J	3.000	G	700UA	40	45	5.000
	MJE1661	NS 48 B		MOT	60	60	5.0	15.000	90.000	C	150J	3.000	G	700UA	60	45	5.000
	MJE2010	PS 58 B		MOT	40	40	5.0	5.000	80.000	C	150J	3.000	G	400UA	40	56	1.000
	MJE2011	PS 58 B		MOT	60	60	5.0	5.000	80.000	C	150J	3.000	G	400UA	60	56	1.000
	MJE2020	NS 58 B		MOT	40	40	5.0	5.000	80.000	C	150J	3.000	G	400UA	40	56	1.000
	MJE2021	NS 58 B		MOT	60	60	5.0	5.000	80.000	C	150J	3.000	G	400UA	60	56	1.000
	MJE2360	NS 58 B		MOT	375	350	6.0	.500	30.000	C	150J	10.000	G	100UA	375	75	.050
	MJE2361	NS 58 B		MOT	375	350	6.0	.500	30.000	C	150J	10.000	G	100UA	375	112	.050
	MJE2370	PS 58 B		MOT	40	40	5.0	3.000	40.000	C	150J	3.000	G	300UA	30	90	.200
	MJE2371	PS 58 B		MOT	60	60	5.0	3.000	40.000	C	150J	3.000	G	300UA	30	90	.200
	MJE2480	NS 58 B		MOT	40	40	5.0	4.000	60.000	C	150J	2.000	G	100UA	40	45	1.500
	MJE2481	NS 58 B		MOT	60	60	5.0	4.000	60.000	C	150J	2.000	G	100UA	60	45	1.500
	MJE2482	NS 58 B		MOT	40	40	5.0	4.000	60.000	C	150J	2.000	G	100UA	40	45	2.500
	MJE2483	NS 58 B		MOT	60	60	5.0	4.000	60.000	C	150J	2.000	G	100UA	60	45	2.500
	MJE2490	PS 58 B		MOT	40	40	5.0	3.000	60.000	C	150J	3.000	G	300UA	30	45	1.000
	MJE2491	PS 58 B		MOT	60	60	5.0	3.000	60.000	C	150J	3.000	G	300UA	30	45	1.000
	MJE2520	NS 58 B		MOT	40	40	5.0	3.000	40.000	C	150J	3.000	G	200UA	40	90	.200
	MJE2521	NS 58 B		MOT	60	60	5.0	3.000	40.000	C	150J	3.000	G	200UA	60	90	.200
	MJE2522	NS 58 B		MOT	40	40	5.0	3.000	40.000	C	150J	3.000	G	200UA	40	45	.200
	MJE2523	NS 58 B		MOT	60	60	5.0	3.000	40.000	C	150J	3.000	G	200UA	60	45	.200
	MJE2801	NS 48 B		MOT	60	60	4.0	10.000	90.000	C	150J	AUD		100UA	60	50	3.000
	MJE2901	PS 48 B		MOT	60	60	4.0	10.000	90.000	C	150J	AUD		100UA	60	50	3.000
	MJE2955	PS 48 B		MOT	70	60	5.0	10.000	90.000	C	150J	2.000	G	1MA	70	38	4.000
	MJE3054	NS 58 B		MOT	90	65	5.0	4.000	40.000	C	150J	.030	E	500UA	30	45	.500
	MJE3055	NS 48 B		MOT	70	60	5.0	10.000	90.000	C	150J	2.000	G	1MA	70	37	4.000
	MJE3738	NS 58 B		MOT	250	325	6.0	.500	30.000	C	150J	10.000	G	100UA	250	90	.100
	MJE3739	NS 58 B		MOT	225	300	6.0	.500	30.000	C	150J	10.000	G	100UA	325	90	.100
	MJE3740	PS 58 B		MOT	60	60	5.0	4.000	40.000	C	150J	4.000	G	100UA	60	55	.250
	MJE3741	PS 58 B		MOT	80	80	5.0	4.000	40.000	C	150J	4.000	G	100UA	80	55	.250
	MM380	PG 211	18	MOT	25	10	.3		.250	A	100J	400.000	G	10NA	10	50	.003
	MM709	NS 211	52	MOT	15	8	4.0	.100	.400	A	200J	300.000	G	15NA	5	45	.010
	MM1139	PG 217	72	MOT	30	15	.3		.125	A	100J	400.000	G	8UA	20	24	.002
	MM1500	NS 120 H		MOT	30	15	4.0	.200	3.500	C	200J	1500.000	G	100NA	20		
	MM1501	NS 120 H		MOT	30	15	4.0	.200	3.500	C	200J	1000.000	G	100NA	20		
	MM1549			SEE RF POWER SECTION													
	MM1550			SEE RF POWER SECTION													
	MM1551			SEE RF POWER SECTION													
	MM1557			SEE RF POWER SECTION													
	MM1558			SEE RF POWER SECTION													
	MM1559			SEE RF POWER SECTION													
	MM1601			SEE 2N5589													
	MM1602			SEE 2N5590													
	MM1603			SEE RF POWER SECTION													
	MM1619			SEE RF POWER SECTION													
	MM1620			SEE RF POWER SECTION													
	MM1748	NS 211	52	MOT	15	6	4.0	.100	.300	A	200J	600.000	G	50NA	5	50	.010
	MM1803	NS 211	5	MOT	50	25	5.0	.150	2.000	C	200J	500.000	G	50NA	20	84	.050
	MM1812	NS 211	5	MOT	175	175	4.0	.100	5.000	C	200J	.050	G	100NA	50	85	.010
	MM1941	NS 210	18	MOT	30	30S	3.0	.200	.300	A	175J	600.000	G	100NA	15	50	.010
	MM1943	NS 210	18	MOT	40	40S	3.0	.200	.300	A	175J	500.000	G	100NA	15	50	.010
	MM2258	NS 211	5	MOT	120	120	5.0	.500	1.000	A	200J	150.000	G	50NA	75	100	.010
	MM2259	NS 211	5	MOT	175	175	5.0	.300	1.000	A	200J	150.000	G	50NA	75	70	.010
	MM2260	NS 211	5	MOT	175	175	5.0	.300	1.000	A	200J	150.000	G	50NA	75	100	.010
	MM2264	NS 211	5	MOT		25		1.500	1.100	A	200J	50.000	G	500NA	25	140	.150
	MM2483	NS 211	18	MOT	60	60	6.0	.050	.360	A	200J	600.000	G	10NA	45	70	.001
	MM2484	NS 211	18	MOT	60	60	6.0	.050	.360	A	200J	600.000	G	10NA	45	225	.001
	MM2894	PS 211	18	MOT	15	12	4.5		.360	A	200J	400.000	G	80NA	6	70	.030
	MM3000	NS 210	39	MOT		100	5.0	.400	1.000	A	200J	150.000	G	1UA	50	30	.010
	MM3001	NS 210	39	MOT		150	5.0	.400	1.000	A	200J	150.000	G	1UA	75	30	.010
	MM3002	NS 210	39	MOT		200	5.0	.400	1.000	A	200J	150.000	G	5UA	100	30	.010
	MM3003	NS 210	39	MOT		250	5.0	.400	1.000	A	200J	150.000	G	5UA	100	30	.010
	MM3008	NS 210	39	MOT		120	6.0	.400	1.000	A	200J	50.000	G	100NA	120	60	.010
	MM3009	NS 210	39	MOT		180	6.0	.400	1.000	A	200J	50.000	G	100NA	180	60	.010
	MM3724	NS 211	5	MOT	40	30	6.0	1.500	1.000	A	200J	200.000	G	500NA	40	62	.500
	MM3725	NS 211	5	MOT		50	6.0	1.500	1.000	A	200J	200.000	G	500NA	40	62	.500
	MM3726	PS 211	5	MOT		50	5.0	1.500	1.000	A	200J	200.000	G	100NA	40	60	.500
	MM3903	NS 210	52	MOT	60	40	6.0	.200	.360	A	200J	250.000	G	50NA	30	88	.010
	MM3904	NS 210	52	MOT	60	40	6.0	.200	.360	A	200J	300.000	G	50NA	30	175	.010
	MM3905	PS 210	52	MOT	40	40	5.0	.200	.360	A	200J	200.000	G	50NA	30	88	.010
	MM3906	PS 210	52	MOT	40	40	5.0	.200	.360	A	200J	250.000	G	50NA	30	175	.010
	MM4000	PS 211	39	MOT	100	100	4.0	.100	.600	A	200J			1UA	50	30	.010
	MM4001	PS 211	39	MOT	150	150	4.0	.500	1.000	A	200J			1UA	75	30	.010
	MM4002	PS 211	39	MOT	200	200	4.0	.500	1.000	A	200J			1UA	100	30	.010
	MM4003	PS 211	39	MOT	250	250	4.0	.500	1.000	A	200J			5UA	100	30	.010
	MM4018			SEE RF POWER SECTION													
	MM4019			SEE RF POWER SECTION													
	MM4020			SEE RF POWER SECTION													
	MM4021			SEE RF POWER SECTION													
	MM4022			SEE RF POWER SECTION													
	MM4023			SEE RF POWER SECTION													
	MM4048	PS 211	18	MOT	45	45	5.0	.050	.360	A	200J	100.000	G	10NA	30	260	.001
	MM4052	PS 210	46	MOT	30	30	30.0	.500	.500	A	200J	12.000	G	1NA	15	23	.150
	MM4261H	PS 217	72	MOT	15	15	4.5	.030	.200	A	200J	1500.000	G	5NA	10	68	.010
	MM4429			SEE RF POWER SECTION													
	MM4430			SEE RF POWER SECTION													
	MM4545	PS 631	37	MOT	200	200	5.0	2.500	25.000	C	200J	40.000	G	10UA	200	30	.500
	MM4546	PS 631	37	MOT	300	300	5.0	2.500	25.000	C	200J	40.000	G	10UA	200	30	.500
	MM4547	PS 631	37	MOT	400	400	5.0	2.500	25.000	C	200J	30.000	G	10UA	200	30	.500
	MM4645	PS 211	39	MOT	200	200	5.0	2.500	5.000	C	200J	40.000	G	10UA	200	30	.500
	MM4646	PS 211	39	MOT	300	300	5.0	2.500	5.000	C	200J	40.000	G	10UA	200	30	.500
	MM4647	PS 211	39	MOT	400	400	5.0	2.500	5.000	C	200J	30.000	G	10UA	200	30	.500
	MM5000	PG 217	72	MOT	30	15	.3	.010	.150	A	100J	800.000	G			60	.003
	MM5001	PG 217	72	MOT	30	15	.3	.010	.150	A	100J	800.000	G			60	.003
	MM5002	PG 217	72	MOT	30	15	.3	.010	.150	A	100J	800.000	G			60	.003
	MM8000	NS 210	39	MOT	40	30	3.5	.400	3.500	C	200J	1000.000	G	20UA	28	45	.050
	MM8001	NS 210	39	MOT	40	30	3.5	.400	3.500	C	200J	1000.000	G	20UA	28	45	.050
	MM8002	NS 210	39	MOT	40	30	3.5	.400	3.500	C	200J	1000.000	G	20UA	28	45	.050

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	MM8003	NS 962 C		MOT	40	30	3.5	.400	5.000 C	200J	1000.000 G		20UA	28	45	.050
	MM8006	NS 217	72	MOT	15	10	3.0	.020	.200 A	200J	1000.000 G		10NA	6	38	.001
	MM8007	NS 217	72	MOT	15	10	3.0	.020	.200 A	200J	1000.000 G		10NA	6	38	.001
	MM8008	NS 120	107	MOT	35	30	3.0	.100	3.500 C	200J	1100.000 G		100UA	20		
	MM8009	NS 210	39	MOT	55	50	3.0	.400	3.500 C	200J	1000.000 G		100UA	15		
	MM8010	NS 120	107	MOT	35	30	3.0	.100	3.500 C	200J	1100.000 G		100UA	20		
	MM8011	NS 120	107	MOT	35	30	3.0	.100	3.500 C	200J	1100.000 G		100UA	20		
	MM8012	SEE RF POWER SECTION														
	MMT73	PS 916 A		MOT		8	4.0	.200	.225 A	135J	400.000 G		100NA	3	45	.010
	MMT918	NS 916 A		MOT	30	15	3.0	.050	.225 A	135J	600.000 G		10NA	15	30	.003
	MMT930	NS 916 A		MOT	60	45	6.0	.050	.225 A	135J	600.000 G		10NA	45	225	.001
	MMT2222	NS 916 A		MOT	60	30	5.0		.225 A	135J	200.000 G		50NA	50	175	.150
	MMT2369	NS 916 A		MOT	40	15	4.5	.200	.225 A	135J	500.000 G		100NA	20	70	.010
	MMT2484	NS 916 A		MOT	60	60	6.0	.050	.225 A	135J	600.000 G		10NA	45	375	.001
	MMT2857	NS 916 A		MOT	30	15	3.0	.040	.225 A	135J	1000.000 G		50NA	15	45	.030
	MMT2907	PS 916 A		MOT	60	40	5.0	.600	.225 A	135J	200.000 G		50NA	50	175	.150
	MMT3014	NS 916 A		MOT	40	20	5.0	.200	.225 A	135J	350.000 G		100NA	20	100	.030
	MMT3546	PS 916 A		MOT	15	12	4.5	.250	.225 A	135J	700.000 G		100NA	10	45	.010
	MMT3798	PS 916 A		MOT	60	60	3.0	.050	.225 A	135J	40.000 G		50NA	50	260	.001
	MMT3799	PS 916 A		MOT	60	60	3.0	.050	.225 A	135J	40.000 G		50NA	50	525	.001
	MMT3903	NS 916 A		MOT	60	40	6.0	.200	.225 A	135J	250.000 G		50NA	40	88	.010
	MMT3904	NS 916 A		MOT	60	40	6.0	.200	.225 A	135J	300.000 G		50NA	40	176	.010
	MMT3905	PS 916 A		MOT	40	40	5.0	.200	.225 A	135J	200.000 G		50NA	30	88	.010
	MMT3906	PS 916 A		MOT	40	40	5.0	.200	.225 A	135J	250.000 G		50NA	30	176	.010
	MMT3960A	NS 916 A		MOT	15	8	3.0		.225 A	135J	1600.000 G		50NA	10	80	.010
	MMT8015	NS 916 A		MOT	15	10	3.0	.015	.200 A	135J	1000.000 G		1NA	6	100	.001
	MN21			SEE 2N375												
	MN24			SEE 2N350												
	MN25			SEE 2N351												
	MN26			SEE 2N376												
	MN29			SEE 2N555												
	MN48			SEE 2N669												
	MN49			SEE 2N618												
	MN61A			SEE 2N627												
	MN62A			SEE 2N628												
	MN63A			SEE 2N629												
	MN64A			SEE 2N630												
	MP110	PG 605	3	MOT		65X		7.000	106.000 C	110J	.320 G		2MA	40	136	1.000
	MP110B-BLU	PG 605	3	MOT	90	40	2.0	25.000	106.000 C	110J	.500 G		20MA	90	225	1.000
	MP110B-GRN	PG 605	3	MOT	90	40	2.0	25.000	106.000 C	110J	.500 G		20MA	90	150	1.000
	MP110B-RED	PG 605	3	MOT	90	40	2.0	25.000	106.000 C	110J	.500 G		20MA	90	95	1.000
	MP500	PG 405	36	MOT	45	30	25.0	60.000	170.000 C	110J	.002 E		4MA	45	46	9.999
	MP500A	PG 405	36	MOT	45	30	25.0	60.000	170.000 C	110J	.002 E		4MA	45	46	9.999
	MP501	PG 405	36	MOT	60	45	30.0	60.000	170.000 C	110J	.002 E		4MA	60	46	9.999
	MP501A	PG 405	36	MOT	60	45	30.0	60.000	170.000 C	110J	.002 E		4MA	60	46	9.999
	MP502	PG 405	36	MOT	75	60	40.0	60.000	170.000 C	110J	.002 E		4MA	75	46	9.999
	MP502A	PG 405	36	MOT	75	60	40.0	60.000	170.000 C	110J	.002 E		4MA	75	46	9.999
	MP504	PG 405	36	MOT	45	30	25.0	60.000	170.000 C	110J	.002 E		4MA	45	62	9.999
	MP504A	PG 405	36	MOT	45	30	25.0	60.000	170.000 C	110J	.002 E		4MA	45	62	9.999
	MP505	PG 405	36	MOT	60	45	30.0	60.000	170.000 C	110J	.002 E		4MA	60	62	9.999
	MP505A	PG 405	36	MOT	60	45	30.0	60.000	170.000 C	110J	.002 E		4MA	60	62	9.999
	MP506	PG 405	36	MOT	75	60	40.0	60.000	170.000 C	110J	.002 E		4MA	75	62	9.999
	MP506A	PG 405	36	MOT	75	60	40.0	60.000	170.000 C	110J	.002 E		4MA	75	62	9.999
	MP525-1	PG 605	3	MOT		60		7.000	106.000 C	110J	AUD		200UA	2	38	3.000
	MP525-2	PG 605	3	MOT		60		7.000	106.000 C	110J	AUD		200UA	2	50	3.000
	MP525-3	PG 605	3	MOT		60		7.000	106.000 C	110J	AUD		200UA	2	58	3.000
	MP525-4	PG 605	3	MOT		60		7.000	106.000 C	110J	AUD		200UA	2	76	3.000
	MP525-5	PG 605	3	MOT		60		7.000	106.000 C	110J	AUD		200UA	2	100	3.000
	MP525-6	PG 605	3	MOT		90X		7.000	106.000 C	110J	AUD		200UA	2	126	3.000
	MP600	PG 605	3	MOT	75	50	1.5	25.000	85.000 C	110J	LS SW		10MA	75	75	5.000
	MP601	PG 605	3	MOT	75	60	1.5	25.000	85.000 C	110J	LS SW		10MA	75	75	5.000
	MP602	PG 605	3	MOT	90	70	1.5	25.000	85.000 C	110J	LS SW		10MA	90	75	5.000
	MP603	PG 605	3	MOT	90	80	1.5	25.000	85.000 C	110J	LS SW		10MA	90	75	5.000
	MP1529	PG 607	41	MOT,KSC	40	20	20.0	5.000	90.000 C	100J	.010 E		2MA	25	30	
	MP1529A	PG 607	41	MOT,KSC	40	20	20.0	5.000	106.000 C	110J	.004 E		2MA	25	30	3.000
	MP1530	PG 607	41	MOT,KSC	60	30	30.0	5.000	90.000 C	100J	.010 E		2MA	40	30	
	MP1530A	PG 607	41	MOT,KSC	60	30	30.0	5.000	106.000 C	110J	.004 E		2MA	40	30	3.000
	MP1531	PG 607	41	MOT,KSC	80	40	40.0	5.000	90.000 C	100J	.010 E		2MA	55	30	
	MP1531A	PG 607	41	MOT,KSC	80	40	40.0	5.000	106.000 C	110J	.004 E		2MA	55	30	3.000
	MP1532	PG 607	41	MOT,KSC	100	50	50.0	5.000	90.000 C	100J	.010 E		2MA	65	30	
	MP1532A	PG 607	41	MOT,KSC	100	50	50.0	5.000	106.000 C	110J	.004 E		2MA	65	30	3.000
	MP1533	PG 607	41	MOT,KSC	120	60	60.0	5.000	90.000 C	100J	.010 E		2MA	80	30	
	MP1534	PG 607	41	MOT,KSC	40	20	20.0	5.000	90.000 C	100J	.008 E		2MA	25	52	
	MP1534A	PG 607	41	MOT,KSC	40	20	20.0	5.000	106.000 C	110J	.004 E		2MA	25	52	3.000
	MP1535	PG 607	41	MOT,KSC	60	30	30.0	5.000	90.000 C	100J	.008 E		2MA	40	52	
	MP1535A	PG 607	41	MOT,KSC	60	30	30.0	5.000	106.000 C	110J	.004 E		2MA	40	52	3.000
	MP1536	PG 607	41	MOT,KSC	80	40	40.0	5.000	90.000 C	100J	.008 E		2MA	55	52	
	MP1536A	PG 607	41	MOT,KSC	80	40	40.0	5.000	106.000 C	110J	.004 E		2MA	55	52	3.000
	MP1537	PG 607	41	MOT,KSC	100	50	50.0	5.000	90.000 C	100J	.008 E		2MA	65	52	
	MP1537A	PG 607	41	MOT,KSC	100	50	50.0	5.000	106.000 C	110J	.004 E		2MA	65	52	3.000
	MP1538	PG 607	41	MOT,KSC	120	60	60.0	5.000	90.000 C	100J	.008 E		2MA	80	52	
	MP1539A	PG 607	41	MOT,KSC	40	20	20.0	5.000	90.000 C	100J	.004 E		2MA	25	74	3.000
	MP1540A	PG 607	41	MOT,KSC	60	30	30.0	5.000	90.000 C	100J	.004 E		2MA	40	74	3.000
	MP1541A	PG 607	41	MOT,KSC	80	40	40.0	5.000	90.000 C	100J	.004 E		2MA	55	74	3.000
	MP1542A	PG 607	41	MOT,KSC	100	50	50.0	5.000	90.000 C	100J	.004 E		2MA	65	74	3.000
	MP1543	PG 607	41	MOT,KSC	120	60	12.0	5.000	90.000 C	100J	.150 G		2MA	80	75	
	MP1544A	PG 607	41	MOT,KSC	40	20	20.0	5.000	90.000 C	100J	.004 E		2MA	25	100	3.000
	MP1545A	PG 607	41	MOT,KSC	60	30	30.0	5.000	90.000 C	100J	.004 E		2MA	40	100	3.000
	MP1546A	PG 607	41	MOT,KSC	80	40	40.0	5.000	90.000 C	100J	.004 E		2MA	55	100	3.000
	MP1547A	PG 607	41	MOT,KSC	100	50	50.0	5.000	90.000 C	100J	.004 E		2MA	65	100	3.000
	MP1548	PG 607	41	MOT,KSC	120	60	12.0	5.000	90.000 C	100J	.004 E		2MA	80	110	3.000
	MP1549	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.010 E		3MA	25	20	
	MP1549A	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.010 E		3MA	25	20	9.999
	MP1550	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.010 E		3MA	40	20	
	MP1550A	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.010 E		3MA	40	20	9.999
	MP1551	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.010 E		3MA	55	20	
	MP1551A	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.010 E		3MA	55	20	9.999
	MP1552	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.010 E		3MA	65	20	
	MP1552A	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.010 E		3MA	65	20	9.999
	MP1553	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.006 E		3MA	25	44	
	MP1553A	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.006 E		3MA	25	44	9.999
	MP1554	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.006 E		3MA	40	44	
	MP1554A	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.006 E		3MA	40	44	9.999
	MP1555	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.006 E		3MA	55	44	
	MP1555A	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.006 E		3MA	55	44	9.999
	MP1556	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.006 E		3MA	65	44	
	MP1556A	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.006 E		3MA	65	44	9.999
	MP1557	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.005 E		3MA	25	74	
	MP1557A	PG 607	41	MOT,KSC	40	20	20.0	15.000	90.000 C	100J	.005 E		3MA	25	74	9.999
	MP1558	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.005 E		3MA	40	74	
	MP1558A	PG 607	41	MOT,KSC	60	30	30.0	15.000	90.000 C	100J	.005 E		3MA	40	74	9.999
	MP1559	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.005 E		3MA	55	74	
	MP1559A	PG 607	41	MOT,KSC	80	40	40.0	15.000	90.000 C	100J	.005 E		3MA	55	74	9.999
	MP1560	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.005 E		3MA	65	74	
	MP1560A	PG 607	41	MOT,KSC	100	50	50.0	15.000	90.000 C	100J	.005 E		3MA	65	74	9.999
	MP1612	PG 605	3	MOT	100	50	2.5	20.000	85.000 C	200J	HOR AMP		10MA	80	50	10.000
	MP1612A	PG 605	3	MOT	140	75	2.5	20.000	85.000 C	110J	HOR AMP		10MA	120	50	10.000
	MP1612B	PG 605	3	MOT	160	100	2.5	20.000	85.000 C	110J	HOR AMP		10MA	140	50	10.000
	MP1613	PG 605	3	MOT	100	75	5.0	7.000	85.000 C	110J			5MA	100	120	.050
	MP2000A	PG 605	3	MOT		30	2.0	25.000	106.000 C	110J	.210 G		10MA	60	37	8.000
	MP2060	PG 605	3	MOT	40	25	20.0	7.000	85.000 C	110C	.300 G		1MA	25	80	3.000
	MP2061	PG 605	3	MOT	60	35	20.0	7.000	85.000 C	110C	.300 G		1MA	35	80	3.000
	MP2062	PG 605	3	MOT	75	50	20.0	7.000	85.000 C	110C	.300 G		1MA	50	80	3.000
	MP2063	PG 605	3	MOT	90	60	20.0	7.000	85.000 C	110C	.300 G		1MA	60	80	3.000
	MP2100A	PG 605	3	MOT		60	2.0	25.000	106.000 C	110J	.210 G		10MA	80	37	8.000
	MP2137A	PG 607	41	MOT	30	20	15.0		70.000 C	110J	.020 E		50UA	2	22	2.000
	MP2138A	PG 607	41	MOT	45	30	25.0		70.000 C	110J	.020 E		50UA	2	22	2.000
	MP2139A	PG 607	41	MOT	60	45	30.0		70.000 C	110J	.020 E		50UA	2	22	2.000
	MP2140A	PG 607	41	MOT	75	60	40.0		70.000 C	110J	.020 E		50UA	2	22	2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
	MP2141A	PG 607	41	MOT	90	65	45.0		70.000	C	110J	.020	E	50UA	2	22	2.000
	MP2142A	PG 607	41	MOT	30	20	15.0		70.000	C	110J	.020	E	50UA	2	33	2.000
	MP2143A	PG 607	41	MOT	45	30	25.0		70.000	C	110J	.020	E	50UA	2	33	2.000
	MP2144A	PG 607	41	MOT	60	45	30.0		70.000	C	110J	.020	E	50UA	2	33	2.000
	MP2145A	PG 607	41	MOT	75	60	40.0		70.000	C	110J	.020	E	50UA	2	33	2.000
	MP2146A	PG 607	41	MOT	90	65	45.0		70.000	C	110J	.020	E	50UA	2	33	2.000
	MP2200A	PG 605	3	MOT		80	2.0	25.000	106.000	C	110J	.210	G	10MA	100	37	8.000
	MP2300A	PG 605	3	MOT		100	2.0	25.000	106.000	C	110J	.210	G	10MA	120	37	8.000
	MP2400A	PG 605	3	MOT		120	2.0	25.000	106.000	C	110J	.210	G	10MA	140	37	8.000
	MP2526	PG 607	41	MOT	80	80	5.0	10.000	85.000	C	110J	.010	E	3MA	80	36	3.000
	MP2527	PG 607	41	MOT	120	120	5.0	10.000	85.000	C	110J	.010	E	3MA	120	36	3.000
	MP2528	PG 607	41	MOT	160	160	5.0	10.000	85.000	C	110J	.010	E	3MA	160	36	3.000
	MP2832	PG 607	41	MOT	80	50	2.0	20.000	85.000	C	110J	10.000	G	10MA	80	75	1.000
	MP2833	PG 607	41	MOT	120	75	2.0	20.000	85.000	C	110J	10.000	G	10MA	120	75	1.000
	MP2834	PG 607	41	MOT	140	100	2.0	20.000	85.000	C	110J	10.000	G	10MA	140	75	1.000
	MP3611	PG 607	41	MOT	40	25	20.0	7.000	85.000	C	110J	.300	G	5MA	40	50	3.000
	MP3612	PG 607	41	MOT	60	35	30.0	7.000	85.000	C	110J	.300	G	5MA	60	50	3.000
	MP3613	PG 607	41	MOT	40	25	20.0	7.000	85.000	C	110J	.300	G	5MA	40	80	3.000
	MP3614	PG 607	41	MOT	60	35	30.0	7.000	85.000	C	110J	.300	G	5MA	60	80	3.000
	MP3615	PG 607	41	MOT	80	50	40.0	7.000	85.000	C	110J	.300	G	5MA	80	40	3.000
	MP3616	PG 607	41	MOT	100	60	50.0	7.000	85.000	C	110J	.300	G	5MA	100	40	3.000
	MP3617	PG 607	41	MOT	80	50	40.0	7.000	85.000	C	110J	.300	G	5MA	80	60	3.000
	MP3618	PG 607	41	MOT	100	60	50.0	7.000	85.000	C	110J	.300	G	5MA	100	60	3.000
	MP3730	PG 605	3	MOT	200	200	2.0	5.000	56.000	C	110J	1.000	G	5MA	200	65	2.250
	MP3731	PG 605	3	MOT	320	320	2.0	10.000	56.000	C	110J	1.000	G	10MA	320	65	6.000
	MP5435	PG 607	41	MOT	80	60	2.5	60.000	120.000	C	110J	.350	G	10MA	80	35	25.000
	MP5436	PG 607	41	MOT	110	90	2.5	60.000	120.000	C	110J	.350	G	10MA	110	35	25.000
	MP5437	PG 607	41	MOT	140	120	2.5	60.000	120.000	C	110J	.350	G	10MA	140	35	25.000
	MP5438	PG 607	41	MOT	80	60	2.5	60.000	120.000	C	110J	.350	G	10MA	80	70	25.000
	MP5439	PG 607	41	MOT	110	90	2.5	60.000	120.000	C	110J	.350	G	10MA	110	70	25.000
	MP5440	PG 607	41	MOT	140	120	2.5	60.000	120.000	C	110J	.350	G	10MA	140	70	25.000
	MP5692	PG 607	41	MOT	50	30	2.5	60.000	120.000	C	110J	.200	G	200UA	2	36	25.000
	MP5693	PG 607	41	MOT	80	60	2.5	60.000	120.000	C	110J	.200	G	200UA	2	36	25.000
	MP5694	PG 607	41	MOT	100	80	2.5	60.000	120.000	C	110J	.200	G	200UA	2	36	25.000
	MP5695	PG 607	41	MOT	120	100	2.5	60.000	120.000	C	110J	.200	G	200UA	2	36	25.000
	MP5696	PG 607	41	MOT	140	120	2.5	60.000	120.000	C	110J	.200	G	200UA	2	36	25.000
	MPM5006	NS 41	92	MOT	40	40	4.0	.100	.310	A	135J	400.000	G	50NA	20	48	.004
	MPS404	PS 41	92	MOT	25	24	1.2	.150	.310	A	135J	40.000	B	100NA	10	130	.012
	MPS404A	PS 41	92	MOT	40	35	2.5	.150	.310	A	135J	40.000	B	100NA	10	75	.012
	MPS706	NS 41	92	MOT	25	20R	3.0		.310	A	135J	200.000	G	500NA	15	35	.010
	MPS706A	NS 41	92	MOT	25	20R	5.0		.310	A	135J	200.000	G	500NA	15	35	.010
	MPS834	NS 41	92	MOT	40	30S	5.0	.200	.310	A	135J	350.000	G	50NA	20	37	.010
	MPS918	NS 41	92	MOT	30	15	3.0	.100	.310	A	135J	600.000	G	10NA	15	30	.003
	MPS2369	NS 41	92	MOT	40	15	4.5	.500	.310	A	135J	500.000	G	400NA	20	70	.010
	MPS2711	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	AUD		500NA	18	70	.002
	MPS2712	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	AUD		500NA	18	130	.002
	MPS2713	NS 41	92	MOT	18	18	5.0	.200	.310	A	135J	125.000	G	500NA	18	60	.002
	MPS2714	NS 41	92	MOT	18	18	5.0	.200	.310	A	135J	125.000	G	500NA	18	150	.002
	MPS2923	NS 41	92	MOT	25	25	5.0	.100	.200	A	100J			500NA	25	135	.002
	MPS2924	NS 41	92	MOT	25	25	5.0	.100	.200	A	100J			500NA	25	225	.002
	MPS2925	NS 41	92	MOT	25	25	5.0	.100	.200	A	100J			500NA	25	353	.002
	MPS2926-BRN	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	300.000	G	500NA	18	36	.002
	MPS2926-GRN	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	300.000	G	500NA	18	215	.002
	MPS2926-ORG	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	300.000	G	500NA	18	115	.002
	MPS2926-RED	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	300.000	G	500NA	18	62	.002
	MPS2926-YEL	NS 41	92	MOT	18	18	5.0	.100	.310	A	135J	300.000	G	500NA	18	155	.002
	MPS3392	NS 41	92	MOT	25	25	5.0	.100	.310	A	135J	AUD		100NA	18	275	.002
	MPS3393	NS 41	92	MOT	25	25	5.0	.100	.310	A	135J	AUD		100NA	18	190	.002
	MPS3394	NS 41	92	MOT	25	25	5.0	.100	.310	A	135J	AUD		100NA	18	130	.002
	MPS3395	NS 41	92	MOT	25	25	5.0	.100	.310	A	135J	AUD		100NA	18	350	.002
	MPS3563	NS 41	92	MOT	30	12	2.0		.310	A	135J	600.000	G	50NA	15	70	.008
	MPS3638	PS 41	92	MOT	25	25	4.0	.500	.310	A	135J	100.000	G	35NA	15	60	.050
	MPS3638A	PS 41	92	MOT	25	25	4.0	.500	.310	A	135J	150.000	G	35NA	15	200	.050
	MPS3639	PS 41	92	MOT	6	6	4.0	.080	.200	A	125J	500.000	G	10NA	3	60	.050
	MPS3640	PS 41	92	MOT	12	12	4.0	.080	.310	A	135J	500.000	G	10NA	6	60	.010
	MPS3646	NS 41	92	MOT	40	15	5.0	.200	.200	A	125J	350.000	G	500NA	20	60	.030
	MPS3693	NS 41	92	MOT	40	40	4.0		.310	A	135J	200.000	G	50NA	35	80	.010
	MPS3694	NS 41	92	MOT	45	45	4.0		.310	A	135J	200.000	G	50NA	35	200	.010
	MPS3702	PS 41	92	MOT	40	25	5.0	.200	.310	A	135J	100.000	G	100NA	20	130	.050
	MPS3703	PS 41	92	MOT	50	30	5.0	.200	.310	A	135J	100.000	G	100NA	20	68	.050
	MPS3704	NS 41	92	MOT	50	30	5.0	.600	.310	A	135J	100.000	G	100NA	20	180	.050
	MPS3705	NS 41	92	MOT	50	30	5.0	.600	.310	A	135J	100.000	G	100NA	20	88	.050
	MPS3706	NS 41	92	MOT	40	20	5.0	.600	.310	A	135J	100.000	G	100NA	20	180	.050
	MPS3707	NS 41	92	MOT	30	30	6.0	.030	.310	A	135J	AUD		100NA	20	200	.001
	MPS3708	NS 41	92	MOT	30	30	6.0	.030	.310	A	135J	AUD		100NA	20	210	.001
	MPS3709	NS 41	92	MOT	30	30	6.0	.030	.310	A	135J	AUD		100NA	20	86	.001
	MPS3710	NS 41	92	MOT	30	30	6.0	.030	.310	A	135J	AUD		100NA	20	172	.001
	MPS3711	NS 41	92	MOT	30	30	6.0	.030	.310	A	135J	AUD		100NA	20	345	.001
	MPS3721	NS 42	92	MOT	18	18	5.0	.100	.310	A	135J			15UA	18	225	
	MPS3826	NS 41	92	MOT	60	45	4.0	.030	.310	A	135J	200.000	G	100NA	30	80	.010
	MPS3827	NS 41	92	MOT	60	45	4.0	.030	.310	A	135J	200.000	G	100NA	30	200	.010
	MPS5172	NS 41	92	MOT	25	25	5.0	.100	.210	A	135J	120.000	G	100NA	25	225	.010
	MPS6507	NS 41	92	MOT	30	20	3.0	.100	.310	A	135J	700.000	G	50NA	15	50	.002
	MPS6511	NS 41	92	MOT	30	20	3.0	.100	.310	A	135J	200.000	G	50NA	15	50	.010
	MPS6512	NS 41	92	MOT	40	30	4.0	.100	.310	A	135J	250.000	G	50NA	30	70	.002
	MPS6513	NS 41	92	MOT	40	30	4.0	.100	.310	A	135J	250.000	G	50NA	30	130	.002
	MPS6514	NS 41	92	MOT	40	25	4.0	.100	.310	A	135J	390.000	G	50NA	30	270	.002
	MPS6515	NS 41	92	MOT	40	25	4.0	.100	.310	A	135J	390.000	G	50NA	30	370	.002
	MPS6516	PS 41	92	MOT	40	40	4.0	.100	.310	A	135J	200.000	G	50NA	30	75	.002
	MPS6517	PS 41	92	MOT	40	40	4.0	.100	.310	A	135J	200.000	G	50NA	30	135	.002
	MPS6518	PS 41	92	MOT	40	40	4.0	.100	.310	A	135J	340.000	G	50NA	30	225	.002
	MPS6519	PS 41	92	MOT	25	25	4.0	.100	.310	A	135J	340.000	G	50NA	20	375	.002
	MPS6520	NS 41	92	MOT	40	25	4.0	.100	.310	A	135J	480.000	G	50NA	30	300	.002
	MPS6521	NS 41	92	MOT	40	25	4.0	.100	.310	A	135J	480.000	G	50NA	30	450	.002
	MPS6522	PS 41	92	MOT	25	25	4.0	.100	.310	A	135J	420.000	G	50NA	20	300	.002
	MPS6523	PS 41	92	MOT	25	25	4.0	.100	.310	A	135J	420.000	G	50NA	20	450	.002
	MPS6530	NS 41	92	MOT	60	40	5.0	.600	.310	A	135J	390.000	G	50NA	40	85	.100
	MPS6531	NS 41	92	MOT	60	40	5.0	.600	.310	A	135J	390.000	G	50NA	40	100	.100
	MPS6532	NS 41	92	MOT	50	30	5.0	.600	.310	A	135J	390.000	G	100NA	30	45	.100
	MPS6533	PS 41	92	MOT	40	40	4.0	.600	.310	A	135J	260.000	G	50NA	30	85	.100
	MPS6534	PS 41	92	MOT	40	40	4.0	.600	.310	A	135J	260.000	G	50NA	30	100	.100
	MPS6535	PS 41	92	MOT	30	30	4.0	.600	.310	A	135J	260.000	G	100NA	20	45	.100
	MPS6539	NS 42	92	MOT	20	20	3.0		.310	A	135J			50NA	15	30	.004
	MPS6540	NS 42	92	MOT	30	30	4.0		.310	A	135J	350.000	G	100NA	25	38	.002
	MPS6542	NS 42	92	MOT	30	20	3.0	.100	.310	A	135J	700.000	G	100NA	25	38	.002
	MPS6543	NS 42	92	MOT	35	25	3.0		.310	A	135J	750.000	G	100NA	25	38	.004
	MPS6544	NS 42	92	MOT	60	45	4.0		.310	A	135J	VID AMP		500NA	35	30	.030
	MPS6545	NS 42 A		MOT		45	4.0		.310	A	135J	VID AMP		500NA	35	30	.030
	MPS6546	NS 42	92	MOT	35	35	3.0	.050	.310	A	135J	600.000	G	100NA	25	30	.002
	MPS6547	NS 42	92	MOT	35	35	3.0	.050	.310	A	135J	600.000	G	100NA	25	30	.002
	MPS6548	NS 42	92	MOT	30	25	3.0		.310	A	135J	650.000	G	100NA	25	38	.004
	MPS6560	NS 41	92	MOT	25	25	4.0	.600	.500	A	135J	60.000	G	100NA	20	100	.500
	MPS6561	NS 41	92	MOT	20	20	4.0	.600	.500	A	135J	60.000	G	100NA	20	100	.350
	MPS6562	PS 41	92	MOT	25	25	4.0	.600	.500	A	135J	60.000	G	100NA	20	100	.500
	MPS6563	PS 41	92	MOT	20	20	4.0	.600	.500	A	135J	60.000	G	100NA	20	100	.350
	MPS6565	NS 41	92	MOT	60	45	4.0	.200	.310	A	135J	200.000	G	100NA	30	80	.010
	MPS6566	NS 41	92	MOT	60	45	4.0	.200	.310	A	135J	200.000	G	100NA	30	200	.010
	MPS6567	NS 42	92	MOT		40	5.0		.310	A	135J			500NA	35	38	.010
	MPS6568	NS 42 A		MOT	20	20	3.0		.310	A	135J	375.000	G	50NA	10	70	.004
	MPS6568A	NS 42	92	MOT	20	20	3.0		.310	A	135J	375.000	G	50NA	10	70	.004
	MPS6569	NS 42 A		MOT	20	20	3.0		.310	A	135J	300.000	G	50NA	10	70	.004
	MPS6570	NS 42 A		MOT	20	20	3.0		.310	A	135J	300.000	G	50NA	10	70	.004
	MPS6571	NS 41	92	MOT	20	20	3.0	.050	.310	A	135J	50.000	G	50NA	20	500	.001
	MPS6580	PS 41	92	MOT	25	25	3.0		.310	A	135J	250.000	G	100NA	20	30	.002
	MPS6590	NS 41	92	MOT	100	80	4.0	.250	.310	A	135J	60.000	G	100NA	50	60	.010
	MPS6591	NS 41	92	MOT	60	50	4.0	.250	.310	A	135J	60.000	G	100NA	30	60	.010
	MPSA05	NS 41	92	MOT	60	60	4.0	.500	.500	A	135J	50.000	G	100NA	60	88	.100
	MPSA06	NS 41	92	MOT	80	80	4.0	.500	.500	A	135J	50.000	G	100NA	80	88	.100
	MPSA09	NS 41	92	MOT	50	50		.050	.310	A	135J	30.000	G	100NA	25	250	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.	Condition	I_{CBO} @	V_{CB}	h_{FE} @	I_C(A)
	MPSA10-BLU	NS 41	92	MOT		40	4.0	.100	.300	A 135J	50.000 G	100NA	30	195	.005
	MPSA10-GRN	NS 41	92	MOT		40	4.0	.100	.300	A 135J	50.000 G	100NA	30	150	.005
	MPSA10-RED	NS 41	92	MOT		40	4.0	.100	.300	A 135J	50.000 G	100NA	30	60	.005
	MPSA10-WHT	NS 41	92	MOT		40	4.0	.100	.300	A 135J	50.000 G	100NA	30	120	.005
	MPSA10-YEL	NS 41	92	MOT		40	4.0	.100	.300	A 135J	50.000 G	100NA	30	225	.005
	MPSA20-BLU	NS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	195	.005
	MPSA20-GRN	NS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	150	.005
	MPSA20-RED	NS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	60	.005
	MPSA20-WHT	NS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	120	.005
	MPSA20-YEL	NS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	225	.005
	MPSA55	PS 41	92	MOT	50	50	4.0	.500	.500	A 135J	50.000 G	100NA	50	88	.100
	MPSA56	PS 41	92	MOT	80	80	4.0	.500	.500	A 135J	50.000 G	100NA	80	88	.100
	MPSA70-BLU	PS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	195	.005
	MPSA70-GRN	PS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	150	.005
	MPSA70-RED	PS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	60	.005
	MPSA70-WHT	PS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	120	.005
	MPSA70-YEL	PS 41	92	MOT		40	4.0	.100	.300	A 135J	125.000 G	100NA	30	225	.005
	MPSH02	NS 41	92	MOT	20	20	3.0		.500	A 135J	375.000 G	50NA	10	70	.004
	MPSH04	NS 41	92	MOT		80	4.0	.100	.300	A 135J	80.000 G	50NA	60	70	.002
	MPSH05	NS 41	92	MOT		80	4.0	.100	.300	A 135J	80.000 G	50NA	60	70	.002
	MPSH10	NS 41	92	MOT	30	25	3.0		.310	A 135J	650.000 G	100NA	25	90	.004
	MPSH11	NS 41	92	MOT	30	25	3.0		.310	A 135J	650.000 G	100NA	25	90	.004
	MPSH20	NS 41	92	MOT	40	30	4.0	.100	.310	A 135J	400.000 G	50NA	15	38	.004
	MPSH30	NS 41	92	MOT	20	20	3.0		.310	A 135J	300.000 G	50NA	10	70	.004
	MPSH31	NS 41	92	MOT	20	20	3.0		.310	A 135J	300.000 G	50NA	10	70	.004
	MPSH32	NS 41	92	MOT	40	30	4.0		.500	A 135J	300.000 G	50NA	10	35	.004
	MPSH37	NS 41	92	MOT		40	5.0		.310	A 135J	300.000 G	500NA	35	38	.005
	MPSL01	NS 41	92	MOT	140	120	5.0	.600	.310	A 135J	60.000 G	1UA	75	110	.010
	MPSL07	PS 41	92	MOT	6	6	4.5	.080	.310	A 135J	500.000 G	10NA	3	50	.010
	MPSL08	PS 41	92	MOT	12	12	4.5	.080	.310	A 135J	700.000 G	10NA	6	50	.010
	MPSL51	PS 41	92	MOT	100	100	4.0	.600	.310	A 135J	60.000 G	1UA	75	110	.010
	MPSU01	NS 49 A		MOT		30		1.500	1.000	A 135J	50.000 G	100NA	30	115	.150
	MPSU02	NS 49 A		MOT	60	40	5.0	.800	1.000	A 135J	150.000 G	100NA	40	125	.150
	MPSU03	NS 49 A		MOT	120	120	5.0	1.000	1.000	A 135J	100.000 G	100NA	100	60	.010
	MPSU04	NS 49 A		MOT	180	180	5.0	1.000	1.000	A 135J	100.000 G	100NA	150	60	.010
	MPSU05	NS 49 A		MOT	60	60	4.0	1.000	5.000	C 135J	50.000 G	100NA	40	92	.250
	MPSU06	NS 49 A		MOT	80	80	4.0	1.000	5.000	C 135J	50.000 G	100NA	60	92	.250
	MPSU10	NS 49 A		MOT	300	300	8.0	1.000	1.000	A 135J	60.000 G	200NA	200	60	.030
	MPSU51	PS 49 A		MOT		30		1.500	1.000	A 135J	50.000 G	100NA	30	105	.150
	MPSU52	PS 49 A		MOT	60	40	5.0	1.500	1.000	A 135J	150.000 G	100NA	40	125	.150
	MPSU55	PS 49 A		MOT	60	60	4.0	1.000	5.000	C 135J	50.000 G	100NA	40	85	.250
	MPSU56	PS 49 A		MOT	80	80	4.0	1.000	5.000	C 135J	50.000 G	100NA	60	85	.250
	MSA7505			SEE RF POWER SECTION											
	MSA8503			SEE RF POWER SECTION											
	MSA8505			SEE RF POWER SECTION											
	MSA8506			SEE RF POWER SECTION											
	MSA8507			SEE RF POWER SECTION											
	MSA8508			SEE RF POWER SECTION											
	MT1038	NS 211	46	FSC	30	15	4.0	.250	.300	A 175J	950.000 G	50NA	10	40	.010
	MT1038A	NS 211 U		FSC	30	15	4.0	.250	.300	A 175J	950.000 G	50NA	10	40	.010
	MT1039	NS 211	46	FSC	30	15	4.0	.250	.300	A 175J	950.000 G	50NA	10	40	.010
-	MT1039A	NS 211 U		FSC	30	15	4.0	.250	.300	A 175J	1300.000 G	500NA	10	40	.010
	MT1050	NS 951 C		FSC	30	15	4.0	.250	.300	A 175J	950.000 G	50NA	10	40	.010
	MT1060	NS 211	46	FSC	30	14	4.0	.080	.300	A 175J	1000.000 G	500NA	10	40	.001
	MT1060A	NS 211	46	FSC	30	14	4.0	.080	.300	A 175J	1300.000 G	500NA	10	70	.001
	MT1061	NS 217	72	FSC	30	14	4.0	.080	.250	A 175J	1000.000 G	500NA	10	40	.001
	MT1061A	NS 217	72	FSC	30	14	4.0	.080	.250	A 175J	1300.000 G	500NA	10	70	.001
	MT1062	NS 908	50	FSC	30	14	4.0	.080	.300	A 175J	1300.000 G	50NA	10	3	
	MT1063	NS 890 B		FSC	30	14	4.0	.080	.150	A 175J	1300.000 G	500NA	10	70	.001
	MT1100	NS 951 C		FSC	30	14	4.0	.080	1.000	A 175J	1300.000 G	50NA	10	45	.005
	MT1115	NS 951 C		FSC	28	12	4.0	.080	.200	A 175J	1500.000 G	10NA	10	45	.001
	MT1116	NS 951 C		FSC	28	12	4.0	.080	.200	A 175J	1500.000 G	10NA	10	45	.001
	MT3833	NS 915	50	FSC	30	15	4.0	.100	.300	A 175J	1000.000 G	20UA	12	40	.030
	MT3834	NS 915	50	FSC	30	15	4.0	.100	.300	A 175J	1000.000 G	20UA	12	40	.030
	MT5763			SEE RF POWER SECTION											
	MT5764			SEE RF POWER SECTION											
	MT5765			SEE RF POWER SECTION											
	NA20			SEM							1.000 G				
	NA30			SEM							.500 G				
	NKT121	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	15.000 B	5UA	10	80	
	NKT122	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	7.000 B	5UA	10	80	
	NKT123	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	3.000 B	5UA	10	80	
	NKT124	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	15.000 B	5UA	10	120	
	NKT125	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	7.000 B	5UA	10	120	
	NKT126	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	3.000 B	5UA	10	120	
	NKT127	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	15.000 B	5UA	10	80	
	NKT128	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	7.000 B	5UA	10	80	
	NKT129	PG 210	5	NKT	20	20S	6.0	.500	.075	A 75J	3.000 B	5UA	10	80	
	NKT211	PG 120	1	NKT	32	32R	10.0	.500	.200	A 90J	.900 B	10UA	10	100	
	NKT213	PG 120	1	NKT	32	32R	10.0	.125	.200	A 90J	.900 B	10UA	10	80	
	NKT214	PG 120	1	NKT	32	32R	10.0	.125	.200	A 90J	.900 B	10UA	10	50	
	NKT215	PG 120	1	NKT	32	32R	10.0	.125	.200	A 90J	.900 B	10UA	10	30	
	NKT216	PG 120	1	NKT	32	32R	10.0	.125	.200	A 90J	.900 B	10UA	10	80	
	NKT217	PG 120	1	NKT	60	60R	10.0	.125	.200	A 90J	.900 B	10UA	10	100	
	NKT218	PG 120	1	NKT	32	32R	10.0	.500	.200	A 90J	.900 B	10UA	10	160	
	NKT221	PG 211	39	NKT	30	30S	10.0	.500	.300	A 85J	.750 B	10UA	5	60	
	NKT222	PG 211	39	NKT	30	30S	10.0	.125	.180	A 75J	.750 B	10UA	5	120	
	NKT223	PG 211	39	NKT	30	30S	10.0	.125	.180	A 75J	.750 B	10UA	5	120	
	NKT224	PG 211	39	NKT	30	30S	10.0	.125	.180	A 75J	.750 B	10UA	5	60	
	NKT225	PG 211	39	NKT	30	30S	10.0	.125	.180	A 75J	.750 B	10UA	5	30	
	NKT226	PG 211	39	NKT	30	30S	10.0	.125	.180	A 75J	.750 B	10UA	5	100	
	NKT227	PG 211	39	NKT	60	60S	10.0	.125	.180	A 75J	.750 B	10UA	5	120	
	NKT228	PG 211	39	NKT	30	30S	10.0	.500	.300	A 85J	.750 B	10UA	5	60	
	NKT231	PG 211	39	NKT	15	15S	10.0	.500	.300	A 85J	.750 B	25UA	15	110	
	NKT232	PG 211	39	NKT	15	15S	10.0	.500	.300	A 85J	.750 B	25UA	15	150	
	NKT301	PG 171	8	NKT	60	40	15.0	2.000	.750	A 85C	.500 B	50UA	2	100	
	NKT302	PG 171	8	NKT	60	40	15.0	2.000	.750	A 85C	.500 B	50UA	2	130	
	NKT303	PG 171	8	NKT	30	20	15.0	2.000	7.000	C 85C	.500 B	50UA	2	100	
	NKT304	PG 171	8	NKT	30	20	15.0	2.000	.750	A 85C	.500 B	50UA	2	130	
	NKT401	PG 605	3	NKT	80	30	20.0	8.000	12.000	C 85C	.010 E	100UA	2	50	
	NKT402	PG 605	3	NKT	60	20	20.0	8.000	12.000	C 85C	.010 E	100UA	2	100	
	NKT403	PG 605	3	NKT	80	30	20.0	8.000	12.000	C 85C	.010 E	100UA	2	100	
	NKT404	PG 605	3	NKT	60	20	20.0	8.000	12.000	C 85C	.010 E	100UA	2	100	
	NKT405	PG 605	3	NKT	60	45R	20.0	6.000	12.000	C 85C	.009 E	100UA	2	120	
	NKT451	PG 605	3	NKT	36	36R	10.0	2.000	13.000	C 85C	AUD	100UA	2	100	
	NKT452	PG 605	3	NKT	36	36R	10.0	2.000	13.000	C 85C	AUD	100UA	2	60	
	NKT453	PG 605	3	NKT	36	36R	10.0	2.000	13.000	C 85C	AUD	100UA	2	30	
	NKT713	NG 120	1	NKT	25	25R	15.0	.200	.150	A 80J	1.000 B	50UA	25	100	
	NKT773	NG 120	1	NKT	15	15R	5.0	.300	.150	A 85J	AUD	15UA	10	50	
	ND400			SEM							5.000 G				
	NP5404	PS 41	92	SPR	25	24	12.0	.150	.360	A 150J		100NA	10	80	.012
	NP5404A	PS 41	92	SPR	40	35	25.0	.150	.360	A 150J		100NA	10	80	.012
	NP56512	NS 41	92	SPR	40	30	4.0	.100	.360	A 150J	390.000 G	50NA	30	75	.002
	NP56513	NS 41	92	SPR	40	30	4.0	.100	.360	A 150J	390.000	50NA	30	135	.002
	NP56514	NS 41	92	SPR	40	25	4.0	.100	.360	A 150J	390.000	50NA	30	225	.002
	NP56515	NS 41	92	SPR	40	25	4.0	.100	.360	A 150J	390.000	50NA	30	375	.002
	NP56516	PS 41	92	SPR	40	40	4.0	.100	.360	A 150J	200.000 G	50NA	30	75	.002
	NP56517	PS 41	92	SPR	40	40	4.0	.100	.360	A 150J	200.000 G	50NA	30	135	.002
	NP56518	PS 41	92	SPR	40	40	4.0	.100	.360	A 150J	340.000 G	50NA	30	225	.002
	NP56519	PS 41	92	SPR	25	25	4.0	.100	.360	A 150J	340.000 G	50NA	30	375	.002
	NP56520	NS 41	92	SPR	40	25	4.0	.100	.360	A 150J	480.000	50NA	30	300	.002
	NP56521	NS 41	92	SPR	40	25	4.0	.100	.360	A 150J	480.000	50NA	30	450	.002
	NP56522	PS 41	92	SPR	25	25	4.0	.100	.360	A 150J	420.000	50NA	20	300	.002
	NP56523	PS 41	92	SPR	25	25	4.0	.100	.360	A 150J	420.000	50NA	20	450	.002
	NR5			SEM							10.000 G				
	NR10			SEM							20.000 G				
	NR700			SEM							400.000 G				
-	NS381	NS 210	18	NSC	25	20	5.0		.300	A	400.000 G			40	
-	NS475	NS 210	46	NSC	30	30	6.0	.100	.400	A 200J	80.000 B	200NA	30	36	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) / Cond.			I_{CBO} @ V_{CB}		h_{FE} @ I_C(A)	
+	NS476	NS 210	46	NSC	30	30	6.0	.100	.400	A 200J	80.000	B	200NA	30	70	
-	NS477	NS 210	46	NSC	30	30	6.0	.100	.400	A 200J	80.000	B	200NA	30	180	
-	NS478	NS 210	46	NSC	60	60	8.0	.100	.400	A 200J	80.000	B	200NA	60	36	
-	NS479	NS 210	46	NSC	60	60	8.0	.100	.400	A 200J	8.000	B	200NA	60	7	
-	NS480	NS 210	46	NSC	60	60	8.0	.100	.400	A 200J	8.000	B	200NA	60	180	
-	NS731	NS 210	18	NSC	15	15	4.0		.400	A 175J	80.000	B			36	
-	NS732	NS 210	18	NSC	15	15	4.0		.400	A 175J	80.000	B			80	
-	NS733	NS 210	18	NSC	30	30	4.0		.400	A 175J	80.000	B			36	
-	NS734	NS 210	18	NSC	30	30	4.0		.400	A 175J	80.000	B			80	
-	NS792	NS 210	5	NSC	60	60	5.0	1.000	8.000	C 200J	150.000	G			40	
-	NS793	NS 210	5	NSC	60	60	5.0	1.000	8.000	C 200J	150.000	G			80	
-	OC16	PG 498 A		MUL,PHN	32	16	10.0	3.000	50.000	C 75J	.200	B			36	
	OC22	PG 605	3	MUL,PHN,RAD	47	32	15.0	1.000	16.000	C 75J	2.500	B	1MA	14	100	
	OC23	PG 605	3	MUL,PHN,RAD	55	40	15.0	1.000	16.000	C 75J	2.500	B			100	
	OC24	PG 605	3	MUL,PHN,RAD	47	40	15.0	1.000	16.000	C 75J	2.500	B			100	
	OC26			SEE 2N1314												
	OC27	PG 605	3	PHN	32	16	10.0	3.500	54.000	C 90J	.004	E	20MA	14	70	
	OC28			SEE 2N1666												
	OC29			SEE 2N1667												
	OC30	PG 605 A		RAD	32	32	10.0	1.400	6.500	C 75J	.150	B			33	
	OC35			SEE 2N1668												
	OC36			SEE 2N1669												
	OC44	PG 55 A		AMP,MUL,PHN	15	5	12.0	.005	.080	A 75J	7.500	B	10UA	15	100	
	OC45	PG 55 A		AMP,MUL,PHN	15	5	12.0	.005	.080	A 75J	3.000	B	10UA	15	70	
	OC46	PG 55 A		PHN,RAD	20	20	15.0	.125	.083	A 75J	3.000	B			40	
	OC47	PG 55 A		RAD	20	20	15.0	.125	.083	A 75J	4.500	B			100	
	OC57	PG 105 B		RAD	7	7	7.0	.010	.020	A 55J	2.000	B			35	
	OC58	PG 105 B		RAD,AMP	7	7	7.0	.010	.020	A 55J	2.000	B	3UA	2	55	
	OC59	PG 105 B		AMP,PHN,RAD	7	7	7.0	.010	.020	A 55J	2.000	B	3UA	2	80	
	OC60	PG 105 B		AMP,PHN,RAD	7	7	7.0	.010	.020	A 55J	2.000	B	3UA	2	60	
	OC65	PG 5 B		MUL,PHN	10	10	10.0	.010	.060	A 65J	.015	E	12UA	4	30	
	OC66	PG 5 B		MUL,PHN	10	10	10.0	.010	.060	A 65J	.010	E	12UA	4	50	
	OC70	PG 55 A		MUL,PHN	30	10	10.0	.010	.125	A 75J	.200	B	13UA	4	30	
	OC71	PG 55 A		MUL,PHN,RAD,TAD	30	30		.050	.125	A 75J	1.000	B			50	
	OC71N	PG 120	1	AMP	30	30R		.010	.110	A 75J	.010	E			60	
	OC72	PG 60 A		MUL,PHN,RAD,TAD	32	32		.250	.165	A 75J	.900	B			70	
	OC73	PG 55 A		MUL,PHN	32	30	30.0	.010	.125	A 75J	.500	B	19UA	30	46	
	OC74	PG 60 A		RAD,TAD,AMP	20	20		.550	.300	A 75J	1.500	B			65	.050
	OC75	PG 55 A		MUL,PHN,RAD	30	30		.050	.125	A 75J	1.000	B			90	
	OC75N	PG 120	1	AMP	30	30R		.010	.110	A 75J	.008	E			120	
	OC76	PG 60 A		MUL,PHN,RAD	32	32	10.0	.125	.180	A 75J	.350	B			90	
	OC77	PG 60 A		MUL,PHN,RAD	60	60	10.0	.125	.180	A 75J	.350	B			90	
	OC79	PG 60 A		RAD	26	26		.300	.550	A 75J	1.000	B			45	
	OC80	PG 60 A		PHN,RAD	32	32	20.0	.300	.350	A 75J	2.000	B			180	
	OC139	NG 55 A		MUL,PHN,RAD	20	20	20.0	.250	.140	A 75J	6.000	B			40	
	OC140	NG 55 A		MUL,PHN,RAD	20	20	20.0	.400	.140	A 75J	12.000	B			75	
	OC141	NG 55 A		MUL,PHN,RAD	20	20	20.0	.400	.140	A 75J	20.000	B			150	
	OC170	PG 75	7	MUL,PHN	20		5	.010	.100	A 75J	40.000	B	2UA	6	80	
	OC602	PG 55 D		TFK	22	12	10.0	.050	.125	A 75J	.025	E	5UA	6	40	
-	OC602-SPEZ	PG 55 F		TFK	40	15	10.0	.500	.175	C 75J			7UA	6	32	
	OC603	PG 55 F		TFK	20	12	10.0		.125	A 75J	1.000	G	10UA	6	50	
	OC604			SEE AC122												
-	OC604-SPEZ	PG 55 F		TFK	40	15	10.0	.500	.175	C 75J			6UA	6	50	
	OC613			SEE AF101												
	OC614	PG 55 D		TFK	25	12	.8		.030	A 75J	28.000	G	2UA	6	120	
	OC615	PG 55 D		TFK	25	12	.8		.030	A 75J	50.000	G	3UA	6	160	
	OD603	PG 698 A		TFK	40	30	10.0	3.000	4.000	C 75J	.009	E	10UA	6	34	
	OD603/50	PG 698 A		TFK	60	50	30.0	1.000	4.000	C 75J	.009	E	10UA	6	30	
	PADT50	PG 605	3	AMP	70		1.5	.700	12.500	C 75J	60.000	G	600UA	60	80	
	PAR12			SEM							.200	G				
	PBC107A	NS 45	98	SES	45	45	5.0	.100	.200	A 100J	150.000	G	100NA	45	180	.002
	PBC107B	NS 45	98	SES	45	45	5.0	.100	.200	A 100J	150.000	G	100NA	45	290	.002
	PBC108A	NS 45	98	SES	20	20	5.0	.100	.200	A 100J	150.000	G	100NA	20	180	.002
	PBC108B	NS 45	98	SES	20	20	5.0	.100	.200	A 100J	150.000	G	100NA	20	290	.002
	PBC108C	NS 45	98	SES	20	20	5.0	.100	.200	A 100J	150.000	G	100NA	20	520	.002
	PBC109B	NS 45	98	SES	20	20	5.0	.100	.200	A 100J	150.000	G	100NA	20	290	.002
	PBC109C	NS 45	98	SES	20	20	5.0	.100	.200	A 100J	150.000	G	100NA	20	520	.002
-	PEP9	NS 211	18	AEI	40	20	5.0	.100	.300	A 175J	200.000	G	50NA	20	70	.010
-	PEP95	NS 211	18	AEI	25	15	5.0	.200	.300	A 175J	100.000	G	50NA	16	100	.010
	PET1001	NS 170	106	PHF	45	45	4.0	.150	.360	A 125J	200.000	G	500NA	30	80	.010
	PET1002	NS 170	106	PHF	45	45	4.0	.150	.360	A 125J	200.000	G	500NA	30	200	.010
	PET1075	NS 170	106	PHF	90	70	6.0	.150	.360	A 125J	60.000	G	1UA	70	160	.001
	PET1075A	NS 170	106	PHF	140	90	6.0	.150	.360	A 125J	60.000	G	1UA	90	160	.001
	PET2001	NS 170	106	PHF	35	20	4.0	.150	.360	A 125J	200.000	G	50NA	30	80	.010
	PET2002	NS 170	106	PHF	35	20	4.0	.150	.360	A 125J	200.000	G	50NA	30	200	.010
	PET3001	NS 170	106	PHF	30	12	4.0	.100	.250	A 125J	600.000	G	1UA	20	45	.010
	PET3002	NS 170	106	PHF	30	12	4.0	.100	.250	A 125J	600.000	G	1UA	20	120	.010
	PET3704	NS 170	106	PHF	50	30	5.0	.800	.360	A 125J	100.000	G	100NA	20	175	.050
	PET3705	NS 170	106	PHF	50	30	5.0	.800	.360	A 125J	100.000	G	100NA	20	88	.050
	PET3706	NS 170	106	PHF	40	20	5.0	.800	.360	A 125J	100.000	G	100NA	20	180	.050
	PET4001	NS 170	106	PHF	30	25	8.0	.100	.360	A 125J	60.000	G	10NA	25	135	.001
	PET4002	NS 170	106	PHF	30	25	8.0	.100	.360	A 125J	60.000	G	10NA	25	350	.001
	PET4003	NS 170	106	PHF	30	25	8.0	.100	.360	A 125J	60.000	G	10NA	25	525	.001
	PET6001	NS 170	106	PHF	40	30	5.0	.750	.360	A 125J	40.000	G	50NA	15	75	.050
	PET6002	NS 170	106	PHF	40	30	5.0	.750	.360	A 125J	45.000	G	50NA	15	130	.150
	PET8000	NS 170	106	PHF	50	35	8.0	.800	.360	A 125J	40.000	G	10NA	25	130	.001
	PET8001	NS 170	106	PHF	50	35	8.0	.800	.360	A 125J	40.000	G	10NA	25	262	.001
	PET8002	NS 170	106	PHF	50	35	8.0	.800	.360	A 125J	40.000	G	10NA	25	375	.001
	PET8003	NS 170	106	PHF	50	35	8.0	.800	.360	A 125J	40.000	G	10NA	25	262	.001
	PET8004	NS 170	106	PHF	50	35	8.0	.800	.360	A 125J	40.000	G	10NA	25	375	.001
	PET8101	NS 170	106	PHF	18	12	4.0	.100	.250	A 125J	800.000	G	50NA	12	45	.005
	PN26	NS 605	66	SEM	50	40	5.0	2.000	90.000	C	1.000	G			30	
	PN66	NS 605	66	SEM	300	200	5.0	3.000	90.000	C	1.000	G			30	
	PN350	NS 605	3	SEM	100	80	7.0	10.000	150.000	C	1.000	G			30	
-	PT2A	PG 146 C		CBS	40		40.0	.010	.100	A 55A	2.000	B			3	
-	PT2S	PG 146 C		CBS	40		40.0	.010	.100	A 55A					4	
	PT6	PG 605	3	SEM	30	12	10.0	3.000	90.000	C	.200	G			40	
	PT12	PG 605	3	SEM	30	12	12.0	3.000	90.000	C	.200	G			40	
	PT25	PG 605	3	SEM	40	25	20.0	5.000	90.000	C	.200	G			60	
	PT32	PG 605	66	SEM	45	25	12.0	2.000	6.000	C	.200	G			60	
	PT40	PG 605	3	SEM	80	40	20.0	5.000	90.000	C	.200	G			90	
	PT50	PG 605	3	SEM	100	60	20.0	7.000	90.000	C	.200	G			50	
	PT150	PG 605	3	SEM	100	60	20.0	15.000	150.000	C	.200	G			40	
	PT201	PG 405	36	SEM	40	25	12.0	15.000	150.000	C	.200	G			25	
	PT250	PG 607	41	SEM	100	50	20.0	25.000	150.000	C	.200	G			40	
	PT501	PG 405	36	SEM	60	30	20.0	15.000	150.000	C	.200	G			40	
	PT515	PG 405	36	SEM	100	60	40.0	30.000	170.000	C	.200	G			50	
	PT530			SEE 2N1709												
	PT530A			SEE 2N2783												
	PT531			SEE 2N2874												
	PT600	NS 171	8	TRW	60	45R	4.0		13.000	C	150.000	G	1MA	12	26	1.000
	PT601	NS 171	8	TRW	60	45R	4.0		13.000	C	180.000	G	1MA	12	52	1.000
	PT612	NS 170	8	TRW	75	60R	5.0	.350	2.000	A 175J	60.000	G	500UA	28	26	.350
	PT613			SEE 2N2782												
	PT665	NS 561	61	TRW	75	60R	4.0	.350	20.000	C	15.000	G	10UA	28	26	.350
	PT665A	NS 561	61	TRW	100	90R	5.0	.350	20.000	C	15.000	G	10UA	28	26	.350
	PT692			SEE 2N2781												
	PT703	NS 211	18	TRW	25	25R	5.0	.020	.360	A 175J			5UA	15		
	PT720	NS 211	18	TRW	25	15	5.0	.200	.360	A 200J	250.000	G	500NA	15	80	.001
	PT886	NS 211	5	TRW	22	25R	5.0		.600	A 175J			300UA	10		
	PT887	NS 211	5	TRW	45	50R	5.0		.600	A 175J			300UA	10		
	PT888	NS 211	5	TRW	45	50R	5.0		.600	A 175J			300UA	10		
	PT896	NS 211	5	TRW	45	50R	5.0		1.600	C			300UA	10		
	PT897	NS 211	5	TRW	45	50R	5.0		.600	A 175J			300UA	10		
	PT898	NS 211	5	TRW	45	50R	5.0		1.600	C			300UA	10		
	PT1515	NS 211	5	TRW	80	80R	4.0	.110	3.000	C	500.000	G	10UA	28	40	.100
	PT1544	NS 211	5	TRW		50R	4.0		.800	A 175J			100UA	15		
	PT1545	NS 211	5	TRW		50R	4.0		.800	A 175J			100UA	15		
+	PT1558	NS 211	5	TRW	80	45	5.0	.110	.800	A 200J	140.000	G	50NA	28	36	.100

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	PT1937	NS 414	81	TRW	140	50	4.0	7.000	100.000	C	150J		40.000	G	50MA 140	30 7.000
	PT1941	NS 560	61	TRW	140	130R	4.0	7.000	90.000	C	150J		40.000	G	50MA 140	30 7.000
	PT1949	NS 911 A		TRW	140	100R	5.0		50.000	C					10MA 60	18 10.000
	PT1963	NS 560	61	TRW	140	100R	5.0		50.000	C					10MA 60	18 10.000
	PT2523	NS 211	5	TRW	180	130	5.0		5.000	C			50.000	G	10NA 120	40 .010
	PT2524	NS 211	5	TRW	200	160	5.0		5.000	C			50.000	G	10NA 120	40 .010
	PT2525	NS 211	5	TRW	220	170	5.0		5.000	C			50.000	G	10NA 120	40 .010
	PT2540	NS 211	5	TRW	60	32	4.0		.850	A	200J		200.000	G	10UA 10	30 .150
	PT2610	NS 211	5	TRW	100	60	4.0	.200	13.000	C			125.000	G	100UA 28	46 .350
	PT2620	NS 211	5	TRW	85	45	4.0	.170	10.000	C			125.000	G	100UA 28	56 .350
	PT2620A	NS 210	5	TRW	85	45	4.0	.170	10.000	C			125.000	G	100UA 28	56 .350
	PT2630	NS 211	5	TRW	100	60	4.0	.250	13.000	C			50.000	G	100UA 28	46 .350
	PT2635	NS 561	61	TRW	100	60	4.0		25.000	C					1UA 28	30 .350
	PT2640	NS 211	5	TRW	85	45	4.0	.225	10.000	C			50.000	G	50UA 28	56 .350
	PT2660	NS 211	5	TRW	70	50	4.0	.230	10.000	C			75.000	G	1UA 24	76 .100
	PT2670	NS 211	5	TRW	100	60	4.0		13.000	C					500NA 15	44 .350
	PT2760	NS 210	18	TRW	35	20	4.0	.200	.360	A	200J		250.000	G	100NA 15	65 .001
	PT4800	NS 211	5	TRW	55	25	4.0	.150	5.000	C			35.000	G	50NA 12	60 .150
	PT4816	NS 211	5	TRW	60	30	4.0	.066	3.000	C			85.000	G	50NA 40	80 .010
	PT4830	NS 211	18	TRW	60	30	4.0	.066	1.800	C			85.000	G	50NA 40	80 .010
	PTC101	NS 41	92	MAL	75	40	6.0	.100	.500	A			300.000	G		150
	PTC102	PS 210	5	MAL	40	25	20.0	.300	.200	A			5.000	G		120
	PTC103	PS 41	92	MAL	70	70	5.0	.600	.500	A			200.000	G		140
	PTC104	NS 605	66	MAL	375	350	5.0	3.000	20.000	C			30.000	G		140
	PTC105	PG 605	3	MAL	70	50	20.0	10.000	90.000	C			.600	G		80
	PTC106	PG 405	36	MAL	50	40	30.0	15.000	150.000	C			.600	G		90
	PTC107	PG 217	72	MAL	30	20	3.0	.050	.100	A			.400	G		140
	PTC108	NG 210	5	MAL	47	26	25.0	.300	.150	A			25.000	G		130
	PTC109	PG 120	1	MAL	60	30	20.0	.200	.150	A			5.000	G		140
	PTC110	NS 52 A		MAL	80	75	5.0	3.000	12.500	C			50.000	G		80
	PTC111	PS 52 A		MAL	80	75	5.0	3.000	12.500	C			50.000	G		80
	PTC112	NS 605	66	MAL	90	80	3.0	4.000	25.000	C			3.000	G		80
	PTC113	PS 605	66	MAL	90	80	3.0	4.000	25.000	C			3.000	G		80
	PTC114	PS 605	3	MAL	50	30	15.0	3.000	70.000	C			20.000	G		80
	PTC115	NS 41	92	MAL	45	20	3.0	.500	.250	A			700.000	G		35
	PTC116	NG 605	3	MAL	70	60	30.0	10.000	150.000	C			2.000	G		60
	PTC117	NS 210	5	MAL	320	320	7.0	.100	1.000	A			50.000	G		100
	PTC118	NS 605	3	MAL	400	325	3.0	10.000	125.000	C			30.000	G		65
	PTC119	NS 605	3	MAL	80	60	5.0	15.000	115.000	C			.800	G		40
	PTC120	PG 605	66	MAL	45	30	10.0	5.000	57.000	C			350.000	G		100
	PTC121	NS 41	92	MAL	70	50	5.0	.100	.500	A			500.000	G		220
	PTC122	PG 605	3	MAL	350	350	2.0	10.000	56.000	C			1.000	G		40
	PTC123	NS 210	18	MAL	110	60	6.0	.600	.500	A			200.000	G		350
	PTC124	NS 52 A		MAL	375	350	3.0	.500	21.000	C			15.000	G		80
	PTC125	NS 210	5	MAL	140	80	7.0	.500	.800	A			50.000	G		180
	PTC126	NS 217	72	MAL	20	20	3.0	.025	.310	A			700.000	G		80
	PTC127	PS 210	5	MAL	120	80	5.0	.500	.800	A			200.000	G		230
	PTC128	NS 540	60	MAL	50	25		3.300	45.000	C			100.000	G		30
	PTC129	NS 605	3	MAL	700	400	3.0	.500	100.000	C			1.000	G		10
	PTC130	NS 605	3	MAL	500	700	5.0	1.000	50.000	C			.700	G		40
	PTC131	PS 173	106	MAL	60	50	1.0	.200	.250	A			500.000	G		40
	PTC132	NS 41	92	MAL	60	45	4.5	.050	.180	A			800.000	G		100
	PTC134	NG 120	1	MAL	36	36	14.0	.500	.350	A			AUD	G	7UA 32	120 .010
	PTC135	PG 120	1	MAL	38	35	14.0	.500	.900	A			AUD	G	15UA 25	120 .050
	PTC136	NS 211	18	MAL	60	44	7.0	.800	.500	A			RF, AUD	G	100NA 20	200 .010
	PTC137	NS 52 A		MAL	65	65	6.0	7.000	50.000	C			AUD	G	150UA 60	100 3.000
	PTC138	PG 605	3	MAL	75	65	1.7	5.000	25.000	C			AUD	G	500UA 65	150 2.000
	PTC140	NS 605	3	MAL	105	65	7.5	15.000	115.000	C			AUD	G	500NA 100	90 1.000
	PTC141	PS 211	5	MAL	105	100	8.0	1.000	7.000	C			AUD	G	15UA 95	100 .100
	PTC142	PS 211	5	MAL	65	45	8.0	3.000	6.000	C			AUD	G	500UA 40	60 .500
	PTC143	NS 211	5	MAL	65	45	8.0	3.000	6.000	C			AUD	G	500UA 40	60 .500
	PTC144	NS 211	5	MAL	130	100	8.0	1.000	5.000	C			AUD	G	100NA 100	100 2.500
	PTC153	NS 45	98	MAL	40	40		.200	.400	A			60.000	G		
	RT482	NS 210	5	RAY	20	20	5.0		.600	A	150J		40.000	G	2UA 10	40
	RT483	NS 210	5	RAY	40	20	5.0		.600	A	150J		40.000	G	2UA 30	20
	RT484	NS 210	5	RAY	40	20	5.0		.600	A	150J		40.000	G	2UA 30	40
	RT697M	NS 210	54	RAY	60	40	5.0		.400	A	175J		50.000	G	1UA 30	70
	RT699M	NS 210	54	RAY	120	80	5.0		.400	A	175J		50.000	G	2UA 60	65
	RT1890M	NS 211	46	RAY	100	60	7.0		3.000	C	200A		50.000	G	10NA 75	160
	RT1893	NS 211	46	RAY	120	80	7.0		3.000	C	200A		50.000	G	10NA 90	80
	RT5151	NS 210	5	RAY	45	20	4.0		.600	A	150J				1UA 20	60
	RT5152	NS 210	5	RAY	45	20	4.0		.600	A	150J				1UA 20	60
	RT5203	NS 211	5	RAY	40		5.0		.600	A	150J				2UA 40	
	RT5204	NS 210	5	RAY	30	30S	5.0		.600	A	150J		40.000	G	1UA 15	70
	RT5212	NS 210	5	RAY	60	60S	5.0		.600	A	150A		40.000	G	1UA 30	70
	RT5230			SEE 2N2309												
	RT5401	NS 211	5	RAY	30	20	7.0	.750	.700	A	200J		100.000	G	1UA 30	100
	RT5402	NS 211	5	RAY	30	18	7.0	.750	.700	A	200J		100.000	G	1UA 30	120
	RT5403	NS 211	5	RAY	60	24	7.0	.750	.700	A	200J		90.000	G	1UA 30	100
	RT5404	NS 211	5	RAY	60	22	7.0	.750	.700	A	200J		90.000	G	1UA 30	100
	RT-100	NS 210	5	SPR	30	30	4.0	.500	.800	A			AUD	G		100 .250
	RT-102	NS 210	18	SPR	30	30	4.0	.300	.500	A			AUD	G		100 .150
	RT-108	NS 168 B		SPR	30	25	3.0	.100	.300	A			UHF	G		50 .050
	RT-110	NS 210	39	SPR	300	300	5.0	.100	1.000	A			VID	G		60 .050
	RT-111	NS 52 A		SPR	300	300	5.0	.100	1.667	C			VID	G		60 .050
	RT-113	NS 217	72	SPR	30	25	3.0	.050	.150	A			VID	G		30 .025
	RT-114	NS 210	5	SPR	120	100	7.0	2.000	1.000	A			AUD	G		80 .500
	RT-115	PS 210	5	SPR	120	100	7.0	2.000	1.000	A			AUD	G		80 1.000
	RT-118	PS 168 B		SPR	25	20	20.0	.100	.150	A			RF	G		40 .050
	RT-119	NG 210	5	SPR	25	20R	20.0	.300	.150	A			RF	G		40 .150
	RT-120	PS 168 B		SPR	30	16	20.0	.100	.150	A			AUD	G		90 .050
	RT-121	PS 45	98	SPR	32	32	12.0	.100	.900	A			AUD	G		120 .050
	RT-122	NG 210	5	SPR	30	16R	20.0	.250	.900	A			AUD	G		90 .125
	RT-124	PG 605	3	SPR	50	35	20.0	7.000	90.000	C			AUD	G		90 3.500
	RT-126	PS 41	92	SPR	35	15	1.0	.100	.300	A			RF	G		20 .050
	RT-127	PG 605	3	SPR	65	45	15.0	7.000	90.000	C			AUD	G		60 3.500
	RT-131	NS 605	3	SPR	80	60	5.0	15.000	115.000	C			AUD	G		40 7.500
	RT-135	NS 54 B		SPR	300	300	3.0	.500	20.800	C			AUD	G		30 .250
	RT-147	PG 605	3	SPR	90	90	3.0	25.000	106.000	C			AUD	G		55 12.500
	RT-148	PS 605	3	SPR	100	100	4.0	30.000	200.000	C			AUD	G		25 15.000
	RT-149	NS 605	3	SPR	100	100	4.0	30.000	200.000	C			AUD	G		25 15.000
	RT-150	NS 54 B		SPR	80	80	4.0	10.000	90.000	C			AUD	G		30 5.000
	RT-151	PS 54 B		SPR	80	80	4.0	10.000	90.000	C			AUD	G		30 5.000
	RT-154	NS 54 B		SPR	60	60	5.0	4.000	40.000	C			AUD	G		80 2.000
	RT-155	PS 54 B		SPR	60	60	5.0	4.000	40.000	C			AUD	G		80 2.000
	S2N1486	NS 170	8	STC	100	55	12.0	3.000	25.000	C	200J		1.250	B	15UA 30	60 .750
	S2N2034A	NS 211	5	STC	80	70	10.0	3.000	8.500	C	200C		1.000	G	150UA 80	35 1.000
	S15649	NS 170 F		FSC	30	25	6.0		.200	A	125J		20.000	G	50NA 25	350 .001
	S15650	NS 170 F		FSC	30	25	6.0		.200	A	125J		40.000	G	50NA 25	300 .001
	S15657	NS 170 F		FSC	40	15	4.0		.200	A	125J		400.000	G	50NA 15	70 .002
	S15658	NS 170 F		FSC	40	15	4.0		.200	A	125J		400.000	G	50NA 15	70 .015
	S15659	NS 211	5	FSC	40	20	4.0		.600	A	200J		500.000	G	50NA 20	70 .050
	S15660	NS 211 K		FSC	40	15	4.0	1.000	.600	A	200J		400.000	G	500UA 40	60 .300
	S18100	PS 909	50	FSC	60	60	4.0		.400	A	200J		130.000	G	10NA 25	70 .050
	S19200	NS 909	50	FSC	100	60	7.0		.400	A	200J		60.000	G	10NA 60	100 .150
	SA310	PS 229	5	SPR	30	10		.050	.150	A	140J		10.000	G	10NA 15	30
	SA311	PS 229	5	SPR	30	16		.050	.150	A	140J		10.000	G	10NA 15	30
	SA312	PS 229	5	SPR	30	10		.050	.150	A	140J		18.000	G	10NA 15	30
	SA313	PS 229	5	SPR	30	20		.050	.150	A	140J		17.000	G	10NA 15	30
	SA314	PS 229	5	SPR	30	15		.050	.150	A	140J		17.000	G	20NA 15	30
	SA315	PS 229	5	SPR	30	12		.050	.150	A	140J		18.000	G	20NA 15	30
	SA316	PS 229	5	SPR	30	10		.050	.150	A	140J		17.000	G	23NA 10	20
	SA410	PS 229	18	SPR	30	10		.050	.150	A	140J		10.000	G	10NA 15	30
	SA411	PS 229	18	SPR	30	6		.050	.150	A	140J		10.000	G	10NA 15	30
	SA412	PS 229	18	SPR	30	10		.050	.150	A	140J		8.000	G	10NA 15	30
	SA413	PS 229	18	SPR	30	20		.050	.150	A	140J		7.000	G	10NA 15	30
	SA414	PS 229	18	SPR	30	15		.050	.150	A	140J		7.000	G	20NA 15	30
	SA415	PS 229	18	SPR	30	12		.050	.150	A	140J		8.000	G	20NA 15	30
	SA416	PS 229	18	SPR	30	10		.050	.150	A	140J		7.000	G	3NA 10	20

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}			Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.						
	SA537	PS 120	1	SPR	25	20		.050	.150	A	140J			100NA	6	15	.005	
	SA538	PS 120	1	SPR	10	6		.050	.150	A	140J			100NA	5	15	.005	
	SA539	PS 210	18	SPR	25	20		.050	.150	A	140J			100NA	6	15	.005	
	SA540	PS 210	18	SPR	10	6		.050	.150	A	140J			100NA	5	15	.005	
	SB100	PG 105	24	PHL	5			.005	.020	A	55J	60.000	F	3UA	5	20		
	SB101			SEE 2N344														
	SB102			SEE 2N345														
	SB103			SEE 2N346														
	SB200	PG 105	24	PHL	5			.005	.020	A	55J	30.000	F	3UA	5	14		
	SDT7A01	NS 605	66	SOL	60	40	8.0	10.000	40.000	H				500NA	30	70	5.000	
	SDT7A02	NS 605	66	SOL	80	60	8.0	10.000	40.000	H				500NA	30	70	5.000	
	SDT7A03	NS 605	66	SOL	100	80	8.0	10.000	40.000	H				500NA	60	70	5.000	
	SDT7A04	NS 605	66	SOL	140	120	8.0	10.000	40.000	H				500NA	60	70	5.000	
	SDT7A05	NS 605	66	SOL	170	150	8.0	10.000	40.000	H				500NA	100	70	5.000	
	SDT7A06	NS 605	66	SOL	220	200	8.0	10.000	40.000	H				500NA	100	70	5.000	
	SDT7B01	NS 568	111	SOL	80	60	5.0	10.000	30.000	H				1UA	60	70	5.000	
	SDT7B02	NS 568	111	SOL	100	80	5.0	10.000	30.000	H				1UA	60	70	5.000	
	SDT7B03	NS 568	111	SOL	120	100	5.0	10.000	30.000	H				1UA	60	70	5.000	
	SDT7B04	NS 568	111	SOL	140	120	5.0	10.000	30.000	H				1UA	60	70	5.000	
	SDT7B05	NS 568	111	SOL	80	60	5.0	10.000	30.000	H				1UA	60	30	5.000	
	SDT7B06	NS 568	111	SOL	100	80	5.0	10.000	30.000	H				1UA	60	30	5.000	
	SDT7B07	NS 568	111	SOL	120	100	5.0	10.000	30.000	H				1UA	60	30	5.000	
	SDT7B08	NS 568	111	SOL	140	120	5.0	10.000	30.000	H				1UA	60	30	5.000	
	SDT1001	NS 605	3	SOL		200	5.0	3.500	100.000	H	200J	5.000	G	5MA	200	20	1.000	
	SDT1002	NS 605	3	SOL		250	5.0	3.500	100.000	H	200J	5.000	G	5MA	250	20	1.000	
	SDT1003	NS 605	3	SOL		300	5.0	3.500	100.000	H	200J	5.000	G	500UA	300	40	1.000	
	SDT1004	NS 605	3	SOL		350	5.0	3.500	100.000	H	200J	5.000	G	500UA	350	40	1.000	
	SDT1005	NS 605	3	SOL		400	5.0	3.500	100.000	H	200J	5.000	G	500UA	400	40	1.000	
	SDT1006	NS 605	3	SOL		450	5.0	3.500	100.000	H	200J	5.000	G	500UA	450	40	1.000	
	SDT1007	NS 605	3	SOL		500	5.0	3.500	100.000	H	200J	5.000	G	500UA	500	40	1.000	
	SDT1011	NS 605	3	SOL		200	5.0	5.000	100.000	H	200J	5.000	G	10MA	200	20	3.000	
	SDT1012	NS 605	3	SOL		250	5.0	5.000	100.000	H	200J	5.000	G	10MA	250	20	3.000	
	SDT1013	NS 605	3	SOL		300	5.0	5.000	100.000	H	200J	5.000	G	5MA	300	38	3.000	
	SDT1014	NS 605	3	SOL		350	5.0	5.000	100.000	H	200J	5.000	G	5MA	350	38	3.000	
	SDT1015	NS 605	3	SOL		400	5.0	5.000	100.000	H	200J	5.000	G	5MA	400	38	3.000	
	SDT1016	NS 605	3	SOL		450	5.0	5.000	100.000	H	200J	5.000	G	5MA	450	38	3.000	
	SDT1017	NS 605	3	SOL		500	5.0	5.000	100.000	H	200J	5.000	G	5MA	500	38	3.000	
	SDT1050	NS 605	3	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1051	NS 605	3	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1052	NS 605	3	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1053	NS 605	3	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1054	NS 605	3	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1055	NS 605	3	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1056	NS 605	3	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1057	NS 605	3	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1058	NS 605	3	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1059	NS 605	3	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1060	NS 605	3	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1061	NS 605	3	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1062	NS 605	3	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1063	NS 605	3	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1064	NS 605	3	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1150	NS 605	66	SOL	250	200	8.0	5.000	40.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1151	NS 605	66	SOL	400	325	8.0	5.000	40.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1152	NS 605	66	SOL	500	400	8.0	5.000	40.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1153	NS 605	66	SOL	600	400	8.0	5.000	40.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1154	NS 605	66	SOL	700	400	8.0	5.000	40.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1155	NS 605	66	SOL	250	200	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1156	NS 605	66	SOL	400	325	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1157	NS 605	66	SOL	500	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1158	NS 605	66	SOL	600	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1159	NS 605	66	SOL	700	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1160	NS 605	66	SOL	250	200	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1161	NS 605	66	SOL	400	325	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1162	NS 605	66	SOL	500	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1163	NS 605	66	SOL	600	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1164	NS 605	66	SOL	700	400	8.0	5.000	40.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1250	NS 561	61	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1251	NS 561	61	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1252	NS 561	61	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1253	NS 561	61	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1254	NS 561	61	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	5MA	100	23	1.000	
	SDT1255	NS 561	61	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1256	NS 561	61	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1257	NS 561	61	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1258	NS 561	61	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1259	NS 561	61	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	23	2.000	
	SDT1260	NS 561	61	SOL	250	200	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1261	NS 561	61	SOL	400	325	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1262	NS 561	61	SOL	500	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1263	NS 561	61	SOL	600	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1264	NS 561	61	SOL	700	400	8.0	5.000	80.000	H	200J	50.000	G	1MA	150	15	3.000	
	SDT1808	PG 403	68	SOL	80	60		60.000	170.000	C	110J					22	50.000	
	SDT1809	PG 403	68	SOL	60	45		60.000	170.000	C	110J					22	50.000	
	SDT1810	PG 403	68	SOL	40	30		60.000	170.000	C	110J					22	50.000	
	SDT1860	PG 403	68	SOL	80	60	30.0	65.000	170.000	C	110J	.340	G			30	65.000	
	SDT1861	PG 403	68	SOL	60	45	30.0	65.000	170.000	C	110J	.340	G			30	65.000	
	SDT1862	PG 403	68	SOL	40	30	20.0	65.000	170.000	C	110J	.340	G	5MA	40	30	65.000	
	SDT1908	PG 176 E		SOL	80	60		60.000	140.000	C	110J					22	50.000	
	SDT1909	PG 176 E		SOL	60	45		60.000	140.000	C	110J					22	50.000	
	SDT1910	PG 176 E		SOL	40	30		60.000	140.000	C	110J					22	50.000	
	SDT1960	PG 176 E		SOL	80	60	30.0	65.000	140.000	C	110J	.340	G	5MA	80	30	65.000	
	SDT1961	PG 176 E		SOL	60	45	30.0	65.000	140.000	C	110J	.340	G	5MA	60	30	65.000	
	SDT1962	PG 176 E		SOL	40	30	20.0	65.000	140.000	C	110J	.340	G	5MA	40	30	65.000	
	SDT2008	PG 571 A		SOL	80	60		60.000	140.000	C	110J					22	50.000	
	SDT2009	PG 571 A		SOL	60	45		60.000	140.000	C	110J					22	50.000	
	SDT2010	PG 571 A		SOL	40	30		60.000	140.000	C	110J					22	50.000	
	SDT2101	PG 390 A		SOL	10	5		200.000	100.000	C	100J					60		
	SDT2110	PG 390 A		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2111	PG 390 A		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2112	PG 390 A		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2150	PG 390 B		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2151	PG 390 B		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2152	PG 390 B		SOL	10	5		200.000	100.000	C	100J					60	99.000	
	SDT2205	PG 176 E		SOL	10	5		50.000	120.000	C	110J					60	50.000	
	SDT2305	PG 403	68	SOL	10	5		50.000	120.000	C	110J					60	50.000	
	SDT3101	PS 560	61	SOL		40	6.0	10.000	50.000	H	200J	40.000	G	10UA	40	52	10.000	
	SDT3102	PS 560	61	SOL		60	6.0	10.000	50.000	H	200J	40.000	G	10UA	60	52	10.000	
	SDT3103	PS 560	61	SOL		80X	6.0	10.000	50.000	H		30.000	G	10UA	80	52	10.000	
	SDT3104	PS 560	61	SOL		100X	6.0	10.000	50.000	H		30.000	G	10UA	100	52	10.000	
	SDT3105	PS 560	61	SOL		40	6.0	10.000	50.000	H	200J	40.000	G	10UA	40	52	5.000	
	SDT3106	PS 560	61	SOL		60	6.0	10.000	50.000	H	200J	40.000	G	10UA	60	52	5.000	
	SDT3107	PS 560	61	SOL		80X	6.0	10.000	50.000	H		30.000	G	10UA	80	52	5.000	
	SDT3108	PS 560	61	SOL		100X	6.0	10.000	50.000	H		30.000	G	10UA	100	52	5.000	
	SDT3109	PS 560	61	SOL		120	6.0	10.000	50.000	H	200J	40.000	G	10UA	120	52	5.000	
	SDT3125	PS 568	111	SOL		40X	6.0	10.000	30.000	H		30.000	G	10UA	40	40	5.000	
	SDT3126	PS 568	111	SOL		60X	6.0	10.000	30.000	H		30.000	G	10UA	60	40	5.000	
	SDT3127	PS 568	111	SOL		80X	6.0	10.000	30.000	H		30.000	G	10UA	80	40	5.000	
	SDT3128	PS 568	111	SOL		100X	6.0	10.000	30.000	H		30.000	G	10UA	100	40	5.000	
	SDT3129	PS 568	111	SOL		120X	6.0	10.000	30.000	H		30.000	G	10UA	120	40	5.000	
	SDT3201	NS 560	61	SOL		120X	6.0	10.000	50.000	H		30.000	G	10UA	40	52	10.000	
	SDT3202	NS 560	61	SOL		60X	6.0	10.000	50.000	H		30.000	G	10UA	60	52	10.000	
	SDT3203	NS 560	61	SOL		80X	6.0	10.000	50.000	H		30.000	G	10UA	80	52	10.000	
	SDT3204	NS 560	61	SOL		100X	6.0	10.000	50.000	H		30.000	G	10UA	100	52	10.000	
	SDT3205	NS 560	61	SOL		40X	6.0	10.000	50.000	H		30.000	G	10UA	40	52	5.000	
	SDT3206	NS 560	61	SOL		60X	6.0	10.000	50.000	H		30.000	G	10UA	60	52	5.000	
	SDT3207	NS 560	61	SOL		80X	6.0	10.000	50.000	H		30.000	G	10UA	80	52	5.000	
	SDT3208	NS 560	61	SOL		100X	6.0	10.000	50.000	H		30.000	G	10UA	100	52	5.000	
	SDT3209	NS 560	61	SOL		120X	6.0	10.000	50.000	H		30.000	G	10UA	120	52	5.000	

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ $I_{C(A)}$	
+	SDT3225	NS 568	11	SOL		40X	6.0	10.000	30.000	H			30.000	G	10UA 40	40 5.000
	SDT3226	NS 568	11	SOL		60X	6.0	10.000	30.000	H			30.000	G	10UA 60	40 5.000
	SDT3227	NS 568	11	SOL		80X	6.0	10.000	30.000	H			30.000	G	10UA 80	40 5.000
	SDT3228	NS 568	11	SOL		100X	6.0	10.000	30.000	H			30.000	G	10UA 100	40 5.000
	SDT3229	NS 568	11	SOL		120X	6.0	10.000	30.000	H			30.000	G	10UA 120	40 5.000
	SDT3301	PS 568	11	SOL		40X	6.0	5.000	30.000	H	200J		40.000	G	10UA 40	70 2.000
	SDT3302	PS 568	11	SOL		60X	6.0	5.000	30.000	H	200J		40.000	G	10UA 60	70 2.000
	SDT3303	PS 568	11	SOL		80X	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	70 2.000
	SDT3304	PS 568	11	SOL		100X	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	70 2.000
	SDT3305	PS 568	11	SOL		40X	6.0	5.000	30.000	H	200J		40.000	G	10UA 40	35 2.000
	SDT3306	PS 568	11	SOL		60X	6.0	5.000	30.000	H	200J		40.000	G	10UA 60	35 2.000
	SDT3307	PS 568	11	SOL		80X	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	35 2.000
	SDT3308	PS 568	11	SOL		100X	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	35 2.000
	SDT3309	PS 568	11	SOL		120X	6.0	5.000	30.000	H	200J		40.000	G	10UA 120	35 2.000
	SDT3321	PS 211	5	SOL		40X	6.0	5.000	4.000	H	200J		40.000	G	10UA 40	70 2.000
	SDT3322	PS 211	5	SOL		60X	6.0	5.000	4.000	H	200J		40.000	G	10UA 60	70 2.000
	SDT3323	PS 211	5	SOL		80X	6.0	5.000	4.000	H	200J		40.000	G	10UA 80	70 2.000
	SDT3324	PS 211	5	SOL		100X	6.0	5.000	4.000	H	200J		40.000	G	10UA 100	70 2.000
	SDT3325	PS 211	5	SOL		40X	6.0	5.000	4.000	H	200J		40.000	G	10UA 40	35 2.000
	SDT3326	PS 211	5	SOL		60X	6.0	5.000	4.000	H	200J		40.000	G	10UA 60	35 2.000
	SDT3327	PS 211	5	SOL		80X	6.0	5.000	4.000	H	200J		40.000	G	10UA 80	35 2.000
	SDT3328	PS 211	5	SOL		100X	6.0	5.000	4.000	H	200J		40.000	G	10UA 100	35 2.000
	SDT3329	PS 211	5	SOL		120X	6.0	5.000	4.000	H	200J		40.000	G	10UA 120	35 2.000
	SDT3401	NS 568	111	SOL		40X	6.0	5.000	30.000	H	200J		40.000	G	10UA 40	70 2.000
	SDT3402	NS 568	111	SOL		60X	6.0	5.000	30.000	H	200J		40.000	G	10UA 60	70 2.000
	SDT3403	NS 568	111	SOL		80X	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	70 2.000
	SDT3404	NS 568	111	SOL		100X	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	70 2.000
	SDT3405	NS 568	111	SOL		40X	6.0	5.000	30.000	H	200J		40.000	G	10UA 40	35 2.000
	SDT3406	NS 568	111	SOL		60X	6.0	5.000	30.000	H	200J		40.000	G	10UA 60	35 2.000
	SDT3407	NS 568	111	SOL		80X	6.0	5.000	30.000	H	200J		40.000	G	10UA 80	35 2.000
	SDT3408	NS 568	111	SOL		100X	6.0	5.000	30.000	H	200J		40.000	G	10UA 100	35 2.000
	SDT3409	NS 568	111	SOL		120X	6.0	5.000	30.000	H	200J		40.000	G	10UA 120	35 2.000
	SDT3421	NS 211	5	SOL		40X	6.0	5.000	4.000	H	200J		40.000	G	10UA 40	70 2.000
	SDT3422	NS 211	5	SOL		60X	6.0	5.000	4.000	H	200J		40.000	G	10UA 60	70 2.000
	SDT3423	NS 211	5	SOL		80X	6.0	5.000	4.000	H	200J		40.000	G	10UA 80	70 2.000
	SDT3424	NS 211	5	SOL		100X	6.0	5.000	4.000	H	200J		40.000	G	10UA 100	70 2.000
	SDT3425	NS 211	5	SOL		40X	6.0	5.000	4.000	H	200J		40.000	G	10UA 40	35 2.000
	SDT3426	NS 211	5	SOL		60X	6.0	5.000	4.000	H	200J		40.000	G	10UA 60	35 2.000
	SDT3427	NS 211	5	SOL		80X	6.0	5.000	4.000	H	200J		40.000	G	10UA 80	35 2.000
	SDT3428	NS 211	5	SOL		100X	6.0	5.000	4.000	H	200J		40.000	G	10UA 100	35 2.000
	SDT3429	NS 211	5	SOL		120X	6.0	5.000	4.000	H	200J		40.000	G	10UA 120	35 2.000
	SDT3501	PS 211	5	SOL	40	40	6.0	2.000	4.000	H	200J		50.000	G	100NA 30	45 .500
	SDT3502	PS 211	5	SOL	60	60	6.0	2.000	4.000	H	200J		50.000	G	100NA 40	45 .500
	SDT3503	PS 211	5	SOL	80	80	6.0	2.000	4.000	H	200J		50.000	G	100NA 60	45 .500
	SDT3504	PS 211	5	SOL	100	100	6.0	2.000	4.000	H	200J		50.000	G	100NA 80	45 .500
	SDT3505	PS 211	5	SOL	40	40	6.0	2.000	4.000	H	200J		50.000	G	100NA 30	88 .500
	SDT3506	PS 211	5	SOL	60	60	6.0	2.000	4.000	H	200J		50.000	G	100NA 40	88 .500
	SDT3507	PS 211	5	SOL	80	80	6.0	2.000	4.000	H	200J		50.000	G	100NA 60	88 .500
	SDT3508	PS 211	5	SOL	100	100	6.0	2.000	4.000	H	200J		50.000	G	100NA 80	88 .500
	SDT3509	PS 605	66	SOL	40	40	6.0	2.000	16.600	H	200J		50.000	G	100NA 30	45 .500
	SDT3510	PS 605	66	SOL	60	60	6.0	2.000	16.600	H	200J		50.000	G	100NA 40	45 .500
	SDT3511	PS 605	66	SOL	80	80	6.0	2.000	16.600	H	200J		50.000	G	100NA 60	45 .500
	SDT3512	PS 605	66	SOL	100	100	6.0	2.000	16.600	H	200J		50.000	G	100NA 80	45 .500
	SDT3513	PS 605	66	SOL	40	40	6.0	2.000	16.600	H	200J		50.000	G	100NA 30	88 .500
	SDT3514	PS 605	66	SOL	60	60	6.0	2.000	16.600	H	200J		50.000	G	100NA 40	88 .500
	SDT3515	PS 605	66	SOL	80	80	6.0	2.000	16.600	H	200J		50.000	G	100NA 60	88 .500
	SDT3516	PS 605	66	SOL	100	100	6.0	2.000	16.600	H	200J		50.000	G	100NA 80	88 .500
	SDT3550	PS 211	5	SOL	60	60	6.0	2.000	5.000	H					100UA 60	55 .250
	SDT3551	PS 211	5	SOL	80	80	6.0	2.000	5.000	H					100UA 80	55 .250
	SDT3552	PS 211	5	SOL	40	40	5.0	2.000	5.000	H					100UA 40	45 .500
	SDT3553	PS 211	5	SOL	60	60	5.0	2.000	5.000	H					100UA 60	45 .500
	SDT3554	PS 211	5	SOL	80	80	5.0	2.000	5.000	H					100UA 80	45 .500
	SDT3575	PS 605	66	SOL	40	40	6.0	2.000	40.000	H					100UA 40	68 .250
	SDT3576	PS 605	66	SOL	60	60	6.0	2.000	40.000	H					100UA 60	68 .250
	SDT3577	PS 605	66	SOL	80	80	6.0	2.000	40.000	H					100UA 80	68 .250
	SDT3578	PS 605	66	SOL	40	40	5.0	2.000	40.000	H					100NA 20	50 .500
	SDT3579	PS 605	66	SOL	60	60	5.0	2.000	40.000	H					100UA 30	50 .500
	SDT3601	PS 403	68	SOL		40X	5.0	60.000	100.000	H	200J		2.500	G	10UA 40	20 4.000
	SDT3602	PS 403	68	SOL		60X	5.0	60.000	100.000	H	200J		2.500	G	10UA 60	20 4.000
	SDT3603	PS 403	68	SOL		80X	5.0	60.000	100.000	H	200J		2.500	G	10UA 80	20 4.000
	SDT3604	PS 403	68	SOL		100X	5.0	60.000	100.000	H	200J		2.500	G	10UA 100	20 4.000
	SDT3620	PS 403	68	SOL	80	60	8.0	70.000	100.000	H					10UA 60	15 75.000
	SDT3621	PS 403	68	SOL	100	80	8.0	70.000	100.000	H					10UA 60	15 75.000
	SDT3622	PS 403	68	SOL	120	100	8.0	70.000	100.000	H					10UA 60	15 75.000
	SDT3623	PS 403	68	SOL	140	120	8.0	70.000	100.000	H					10UA 60	15 75.000
	SDT3701	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	47 1.000
	SDT3702	PS 605	66	SOL	60	60	6.0	5.000	40.000	H					1MA 60	47 1.000
	SDT3703	PS 605	66	SOL	40	40	5.0	5.000	40.000	H					100UA 40	40 1.000
	SDT3704	PS 605	66	SOL	60	60	5.0	5.000	40.000	H					100UA 60	40 1.000
	SDT3705	PS 605	66	SOL	80	80	5.0	5.000	40.000	H					100UA 80	40 1.000
	SDT3706	PS 605	66	SOL	30	30	4.0	5.000	40.000	H					200UA 25	35 1.000
	SDT3707	PS 605	66	SOL	45	45	4.0	5.000	40.000	H					200UA 40	35 1.000
	SDT3708	PS 605	66	SOL	60	60	4.0	5.000	40.000	H					200UA 54	35 1.000
	SDT3709	PS 605	66	SOL	30	30	4.0	5.000	40.000	H					200UA 25	95 1.000
	SDT3710	PS 605	66	SOL	45	45	4.0	5.000	40.000	H					200UA 40	95 1.000
	SDT3711	PS 605	66	SOL	60	60	4.0	5.000	40.000	H					200UA 54	95 1.000
	SDT3712	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					75UA 40	35 2.000
	SDT3713	PS 605	66	SOL	60	60	6.0	5.000	40.000	H					75UA 60	35 2.000
	SDT3714	PS 605	66	SOL	80	80	6.0	5.000	40.000	H					75UA 80	35 2.000
	SDT3715	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					75UA 40	35 2.000
	SDT3716	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	21 1.000
	SDT3717	PS 605	66	SOL	60	60	6.0	5.000	40.000	H					1MA 60	21 1.000
	SDT3718	PS 605	66	SOL	80	80	6.0	5.000	40.000	H					1MA 80	21 1.000
	SDT3719	PS 605	66	SOL	100	100	6.0	5.000	40.000	H					1MA 100	21 1.000
	SDT3720	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	60 1.000
	SDT3721	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	18 2.000
	SDT3722	PS 605	66	SOL	60	60	6.0	5.000	40.000	H					1MA 60	18 2.000
	SDT3723	PS 605	66	SOL	80	80	6.0	5.000	40.000	H					1MA 80	18 2.000
	SDT3724	PS 605	66	SOL	100	100	6.0	5.000	40.000	H					1MA 100	18 2.000
	SDT3725	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	60 2.000
	SDT3726	PS 605	66	SOL	40	40	5.0	5.000	40.000	H					100UA 40	50 2.500
	SDT3727	PS 605	66	SOL	60	60	5.0	5.000	40.000	H					100UA 60	50 2.500
	SDT3728	PS 605	66	SOL	80	80	5.0	5.000	40.000	H					100UA 80	50 2.500
	SDT3729	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	18 3.000
	SDT3730	PS 605	66	SOL	60	60	6.0	5.000	40.000	H					1MA 60	18 3.000
	SDT3731	PS 605	66	SOL	80	80	6.0	5.000	40.000	H					1MA 80	18 3.000
	SDT3732	PS 605	66	SOL	100	100	6.0	5.000	40.000	H					1MA 100	18 3.000
	SDT3733	PS 605	66	SOL	40	40	6.0	5.000	40.000	H					1MA 40	60 3.000
	SDT3750	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	70 1.000
	SDT3751	PS 605	3	SOL	60	60	6.0	5.000	50.000	H					1MA 60	70 1.000
	SDT3752	PS 605	3	SOL		40	6.0	5.000	50.000	H					1MA 40	21 1.000
	SDT3753	PS 605	3	SOL	60	60	6.0	5.000	50.000	H					1MA 60	21 1.000
	SDT3754	PS 605	3	SOL	80	80	6.0	5.000	50.000	H					1MA 80	21 1.000
	SDT3755	PS 605	3	SOL	100	100	6.0	5.000	50.000	H					1MA 100	21 1.000
	SDT3756	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	60 1.000
	SDT3757	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	18 2.000
	SDT3758	PS 605	3	SOL	60	60	6.0	5.000	50.000	H					1MA 60	18 2.000
	SDT3759	PS 605	3	SOL	80	80	6.0	5.000	50.000	H					1MA 80	18 2.000
	SDT3760	PS 605	3	SOL	100	100	6.0	5.000	50.000	H					1MA 100	18 2.000
	SDT3761	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	60 2.000
	SDT3762	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	18 3.000
	SDT3763	PS 605	3	SOL	60	60	6.0	5.000	50.000	H					1MA 60	18 3.000
	SDT3764	PS 605	3	SOL	80	80	6.0	5.000	50.000	H					1MA 80	18 3.000
	SDT3765	PS 605	3	SOL	100	100	6.0	5.000	50.000	H					1MA 100	18 3.000
	SDT3766	PS 605	3	SOL	40	40	6.0	5.000	50.000	H					1MA 40	60 3.000
	SDT3775	PS 211	5	SOL	40	40	6.0	5.000	4.000	H					75UA 40	35 2.000
	SDT3776	PS 211	5	SOL	60	60	6.0	5.000	4.000	H					75UA 60	35 2.000
	SDT3777	PS 211	5	SOL	80	80	6.0	5.000	4.000	H					75UA 80	35 2.000
+	SDT3778	PS 211	5	SOL	40	40	6.0	5.000	4.000	H					75UA 40	35 2.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.			I_{CBO} @	V_{CB}	h_{FE} @	I_C(A)
	SDT3801	PS 605	66	SOL	60	60	6.0	15.000	40.000	H				1MA	60	47	1.000
	SDT3802	PS 605	66	SOL	80	80	6.0	15.000	40.000	H				1MA	80	47	1.000
	SDT3803	PS 605	66	SOL	60	60	6.0	15.000	40.000	H				1MA	60	95	1.000
	SDT3804	PS 605	66	SOL	80	80	6.0	15.000	40.000	H				1MA	80	95	1.000
	SDT3805	PS 605	66	SOL	40	40	5.0	10.000	40.000	H				100UA	40	40	5.000
	SDT3806	PS 605	66	SOL	80	80	5.0	10.000	40.000	H				100UA	80	40	5.000
	SDT3807	PS 605	66	SOL	40	40	5.0	10.000	40.000	H				100UA	40	60	5.000
	SDT3825	PS 605	3	SOL	40	40	5.0	10.000	50.000	H				100UA	40	40	5.000
	SDT3826	PS 605	3	SOL	80	80	5.0	10.000	50.000	H				100UA	80	40	5.000
	SDT3827	PS 605	3	SOL	40	40	5.0	10.000	50.000	H				100UA	40	60	5.000
	SDT3850	PS 605	66	SOL	40	40	5.0	10.000	40.000	H				100UA	40	40	10.000
	SDT3851	PS 605	66	SOL	80	80	5.0	10.000	40.000	H				100UA	80	40	10.000
	SDT3852	PS 605	66	SOL	40	40	5.0	10.000	40.000	H				100UA	40	60	10.000
	SDT3875	PS 605	3	SOL	40	40	5.0	10.000	50.000	H				100UA	40	40	10.000
	SDT3876	PS 605	3	SOL	80	80	5.0	10.000	50.000	H				100UA	80	40	10.000
	SDT3877	PS 605	3	SOL	40	40	5.0	10.000	50.000	H				100UA	40	60	10.000
	SDT3901	PS 563	114	SOL		40X	5.0	60.000	125.000	H	200J	2.500	G	10UA	40	20	4.000
	SDT3902	PS 563	114	SOL		60X	5.0	60.000	125.000	H	200J	2.500	G	10UA	60	20	4.000
	SDT3903	PS 563	114	SOL		80X	5.0	60.000	125.000	H	200J	2.500	G	10UA	80	20	4.000
	SDT3904	PS 563	114	SOL		100X	5.0	60.000	125.000	H	200J	2.500	G	10UA	100	20	4.000
	SDT3920	PS 563	114	SOL	80	60	8.0	100.000	125.000	H				10UA	60	15	75.000
	SDT3921	PS 563	114	SOL	100	80	8.0	100.000	125.000	H				10UA	60	15	75.000
	SDT3922	PS 563	114	SOL	120	100	8.0	100.000	125.000	H				10UA	60	15	75.000
	SDT3923	PS 563	114	SOL	140	120	8.0	100.000	125.000	H				10UA	60	15	75.000
	SDT4301	NS 211	5	SOL	40	40	10.0	2.000	5.000	H	200J	4.000	G	150UA	30	35	.500
	SDT4302	NS 211	5	SOL	60	60	10.0	2.000	5.000	H	200J	4.000	G	150UA	40	35	.500
	SDT4303	NS 211	5	SOL	80	80	10.0	2.000	5.000	H	200J	4.000	G	150UA	60	35	.500
	SDT4304	NS 211	5	SOL	40	40	10.0	2.000	5.000	H	200J	4.000	G	150UA	30	70	.500
	SDT4305	NS 211	5	SOL	60	60	10.0	2.000	5.000	H	200J	4.000	G	150UA	40	70	.500
	SDT4306	NS 211	5	SOL	80	80	10.0	2.000	5.000	H	200J	4.000	G	150UA	60	70	.500
	SDT4307	NS 211	5	SOL	40	40	10.0	2.000	5.000	H	200J	4.000	G	150UA	30	35	1.000
	SDT4308	NS 211	5	SOL	60	60	10.0	2.000	5.000	H	200J	4.000	G	150UA	40	35	1.000
	SDT4309	NS 211	5	SOL	8	80	10.0	2.000	5.000	H	200J	4.000	G	150UA	60	35	1.000
	SDT4310	NS 211	5	SOL	40	40	10.0	2.000	5.000	H	200J	4.000	G	150UA	30	70	1.000
	SDT4311	NS 211	5	SOL	60	60	10.0	2.000	5.000	H	200J	4.000	G	150UA	40	70	1.000
	SDT4312	NS 211	5	SOL	80	80	10.0	2.000	5.000	H	200J	4.000	G	150UA	60	70	1.000
	SDT4451	NS 211	5	SOL	80	40	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	35	1.000
	SDT4452	NS 211	5	SOL	100	80	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	35	1.000
	SDT4453	NS 211	5	SOL	80	40	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	70	1.000
	SDT4454	NS 211	5	SOL	100	80	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	70	1.000
	SDT4455	NS 211	5	SOL	80	40	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	150	1.000
	SDT4456	NS 211	5	SOL	100	80	8.0	5.000	1.250	A	200J	70.000	G	1UA	60	150	1.000
	SDT4483	NS 211	5	SOL	60	40	5.0	5.000	1.250	A	200J	70.000	G	1UA	60	35	1.000
	SDT4551	NS 490 A		SOL	80	40	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	35	1.000
	SDT4552	NS 490 A		SOL	100	80	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	35	1.000
	SDT4553	NS 490 A		SOL	80	40	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	70	1.000
	SDT4554	NS 490 A		SOL	100	80	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	70	1.000
	SDT4555	NS 490 A		SOL	80	40	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	150	1.000
	SDT4556	NS 490 A		SOL	100	80	8.0	5.000	20.000	H	200J	70.000	G	1UA	60	150	1.000
	SDT4583	NS 490 A		SOL	60	40	5.0	5.000	20.000	H	200J	70.000	G	1UA	60	35	1.000
	SDT4901	NS 211	5	SOL	225	200	8.0	5.000	4.000	H	200J	40.000	G	1UA	100	35	1.000
	SDT4902	NS 211	5	SOL	250	225	8.0	5.000	4.000	H	200J	40.000	G	1UA	100	35	1.000
	SDT4903	NS 211	5	SOL	275	250	8.0	5.000	4.000	H	200J	40.000	G	1UA	100	35	1.000
	SDT4904	NS 211	5	SOL	300	275	8.0	5.000	4.000	H	200J	40.000	G	1UA	100	35	1.000
	SDT4905	NS 211	5	SOL	325	300	8.0	5.000	4.000	H	200J	40.000	G	1UA	100	35	1.000
	SDT4921	NS 211	5	SOL	225	200	8.0	5.000	4.000	H				1MA	100	35	1.000
	SDT4922	NS 211	5	SOL	250	225	8.0	5.000	4.000	H				1MA	100	35	1.000
	SDT4923	NS 211	5	SOL	275	250	8.0	5.000	4.000	H				1MA	100	35	1.000
	SDT4924	NS 211	5	SOL	300	275	8.0	5.000	4.000	H				1MA	100	35	1.000
	SDT4925	NS 211	5	SOL	325	300	8.0	5.000	4.000	H				1MA	100	35	1.000
	SDT5001	NS 211	46	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	88	.500
	SDT5002	NS 211	46	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	88	.500
	SDT5003	NS 211	46	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5004	NS 211	46	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5005	NS 211	46	SOL	180	120	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5006	NS 211	46	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	45	.500
	SDT5007	NS 211	46	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	45	.500
	SDT5008	NS 211	46	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5009	NS 211	46	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5010	NS 211	46	SOL	180	120	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5011	NS 211	46	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	180	.500
	SDT5012	NS 211	46	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	180	.500
	SDT5013	NS 211	46	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5014	NS 211	46	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5015	NS 211	46	SOL	180	120	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5051	NS 211	46	SOL	175	150	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5052	NS 211	46	SOL	200	175	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5053	NS 211	46	SOL	225	200	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5054	NS 211	46	SOL	175	150	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5055	NS 211	46	SOL	200	175	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5056	NS 211	46	SOL	225	200	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5501	NS 211	5	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	88	.500
	SDT5502	NS 211	5	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	88	.500
	SDT5503	NS 211	5	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5504	NS 211	5	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5505	NS 211	5	SOL	180	140	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5506	NS 211	5	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	45	.500
	SDT5507	NS 211	5	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	45	.500
	SDT5508	NS 211	5	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5509	NS 211	5	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5510	NS 211	5	SOL	180	140	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5511	NS 211	5	SOL	60	40	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	180	.500
	SDT5512	NS 211	5	SOL	80	60	8.0	2.000	4.000	H	200J	85.000	G	100NA	30	180	.500
	SDT5513	NS 211	5	SOL	100	80	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5514	NS 211	5	SOL	140	100	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5515	NS 211	5	SOL	180	140	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	180	.500
	SDT5551	NS 211	5	SOL	175	150	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5552	NS 211	5	SOL	200	175	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5553	NS 211	5	SOL	225	200	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	88	.500
	SDT5554	NS 211	5	SOL	175	150	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5555	NS 211	5	SOL	200	175	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5556	NS 211	5	SOL	225	200	8.0	2.000	4.000	H	200J	85.000	G	100NA	60	45	.500
	SDT5901	NS 605	3	SOL	60	40	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	88	.500
	SDT5902	NS 605	3	SOL	80	60	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	88	.500
	SDT5903	NS 605	3	SOL	100	80	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5904	NS 605	3	SOL	140	100	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5905	NS 605	3	SOL	180	120	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5906	NS 605	3	SOL	60	40	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	45	.500
	SDT5907	NS 605	3	SOL	80	60	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	45	.500
	SDT5908	NS 605	3	SOL	100	80	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT5909	NS 605	3	SOL	140	100	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT5910	NS 605	3	SOL	180	120	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT5911	NS 605	3	SOL	60	40	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	180	.500
	SDT5912	NS 605	3	SOL	80	60	8.0	2.000	16.600	H	200J	85.000	G	100NA	30	180	.500
	SDT5913	NS 605	3	SOL	100	80	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	180	.500
	SDT5914	NS 605	3	SOL	140	100	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	180	.500
	SDT5915	NS 605	3	SOL	180	120	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	180	.500
	SDT5951	NS 605	3	SOL	175	150	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5952	NS 605	3	SOL	200	175	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5953	NS 605	3	SOL	225	200	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	88	.500
	SDT5954	NS 605	3	SOL	175	150	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT5955	NS 605	3	SOL	200	175	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT5956	NS 605	3	SOL	225	200	8.0	2.000	16.600	H	200J	85.000	G	100NA	60	45	.500
	SDT6001	NS 561	62	SOL	100	50	5.0	5.000	40.000	H	200J	70.000	G	1UA	60	15	1.000
	SDT6011	NS 561	62	SOL	80	40	8.0	5.000	40.000	H	200J	70.000	G	1UA	60	35	1.000
	SDT6012	NS 561	62	SOL	100	80	8.0	5.000	40.000	H	200J	70.000	G	1UA	60	35	1.000
	SDT6013	NS 561	62	SOL	80	40	8.0	5.000	40.000	H	200J	70.000	G	1UA	60	70	1.000
	SDT6014	NS 561	62	SOL	100	80	8.0	5.000	40.000	H	200J	70.000	G	1UA	60	70	1.000
	SDT6015	NS 561	62	SOL	80	40	8.0	5.000	40.000	H	200J	70.000	G	1UA	60	150	1.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cont.	Temp. (°C)	Cont.			h_{FE} @ I_C(A)	
	SDT6016	NS 561	62	SOL	100	100	8.0	5.000	40.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6031	NS 561	62	SOL	60	40	5.0	5.000	40.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6101	NS 211	5	SOL	65	30	4.0	10.000	4.000	H			450.000	G		15 2.000
	SDT6102	NS 211	5	SOL	65	40	4.0	10.000	4.000	H			450.000	G		15 2.000
	SDT6103	NS 211	5	SOL	65	50	4.0	10.000	4.000	H			450.000	G		15 2.000
	SDT6104	NS 540	60	SOL	65	30	4.0	10.000	100.000	H			450.000	G		15 2.000
	SDT6105	NS 540	60	SOL	65	40	4.0	10.000	100.000	H			450.000	G		15 2.000
	SDT6106	NS 540	60	SOL	65	50	4.0	10.000	100.000	H			450.000	G		15 2.000
	SDT6110	NS 211	5	SOL	65	30	4.0	10.000	4.000	H			350.000	G		15 5.000
	SDT6111	NS 211	5	SOL	65	40	4.0	10.000	4.000	H			350.000	G		15 5.000
	SDT6112	NS 211	5	SOL	65	50	4.0	10.000	4.000	H			350.000	G		15 5.000
	SDT6113	NS 540	60	SOL	65	30	4.0	10.000	10.000	H			350.000	G		15 5.000
	SDT6114	NS 540	60	SOL	65	40	4.0	10.000	10.000	H			350.000	G		15 5.000
	SDT6115	NS 540	60	SOL	65	50	4.0	10.000	10.000	H			350.000	G		15 5.000
	SDT6308	NS 581	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6309	NS 581	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6310	NS 581	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6311	NS 581	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6312	NS 581	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6313	NS 581	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6314	NS 581	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6315	NS 581	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6316	NS 581	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6408	NS 568	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6409	NS 568	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6410	NS 568	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	35 1.000
	SDT6411	NS 568	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6412	NS 568	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6413	NS 568	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	70 1.000
	SDT6414	NS 568	111	SOL	60	40	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6415	NS 568	111	SOL	80	60	8.0	5.000	30.000	H	200J		70.000	G	1UA 60	150 1.000
	SDT6416	NS 568	111	SOL	100	80	8.0	5.000	30.000	H	200J		70.000	G	UA 60	150 1.000
	SDT6901	NS 605	66	SOL	145	125	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	35 1.000
	SDT6902	NS 605	66	SOL	170	150	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	35 1.000
	SDT6903	NS 605	66	SOL	195	175	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	35 1.000
	SDT6904	NS 605	66	SOL	220	200	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	35 1.000
	SDT6905	NS 605	66	SOL	145	125	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	70 1.000
	SDT6906	NS 605	66	SOL	170	150	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	70 1.000
	SDT6907	NS 605	66	SOL	195	175	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	70 1.000
	SDT6908	NS 605	66	SOL	220	200	8.0	5.000	20.000	H	200J		20.000	G	1UA 60	70 1.000
	SDT7011	NS 561	61	SOL	60	40	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	35 5.000
	SDT7012	NS 561	61	SOL	80	60	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	35 5.000
	SDT7013	NS 561	61	SOL	100	80	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	35 5.000
	SDT7014	NS 561	61	SOL	60	40	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	70 5.000
	SDT7015	NS 561	61	SOL	80	60	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	70 5.000
	SDT7016	NS 561	61	SOL	100	80	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	70 5.000
	SDT7017	NS 561	61	SOL	60	40	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	150 5.000
	SDT7018	NS 561	61	SOL	80	60	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	150 5.000
	SDT7019	NS 561	61	SOL	100	80	5.0	10.000	50.000	H	200J		60.000	G	1UA 60	150 5.000
	SDT7140	NS 561	61	SOL	120	100	5.0	10.000	50.000	H	200J				100NA 60	70 5.000
	SDT7141	NS 561	61	SOL	200	150	5.0	10.000	50.000	H	200J				100NA 100	70 5.000
	SDT7150	NS 561	61	SOL	140	120	5.0	10.000	50.000	H	200J				500NA 60	35 5.000
	SDT7151	NS 561	61	SOL	170	150	5.0	10.000	50.000	H	200J				500NA 100	35 5.000
	SDT7152	NS 561	61	SOL	220	200	5.0	10.000	50.000	H	200J				500NA 100	35 5.000
	SDT7154	NS 561	61	SOL	140	100	5.0	10.000	50.000	H	200J				500NA 60	70 5.000
	SDT7155	NS 561	61	SOL	170	150	5.0	10.000	50.000	H	200J				500NA 100	70 5.000
	SDT7156	NS 561	61	SOL	220	200	5.0	10.000	50.000	H	200J				500NA 100	70 5.000
	SDT7201	NS 605	3	SOL	225	200	8.0	10.000	65.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7202	NS 605	3	SOL	250	225	8.0	10.000	65.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7203	NS 605	3	SOL	275	250	8.0	10.000	65.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7204	NS 605	3	SOL	325	300	8.0	10.000	65.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7205	NS 605	3	SOL	350	325	8.0	10.000	65.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7206	NS 605	3	SOL	150	150	8.0	10.000	65.000	H	200J		50.000	G	10UA 100	15 5.000
	SDT7207	NS 605	3	SOL	200	200	8.0	10.000	65.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7208	NS 605	3	SOL	250	250	8.0	10.000	65.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7209	NS 605	3	SOL	300	300	8.0	10.000	65.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7401	NS 211	5	SOL	60	40	5.0	10.000	5.000	H	200J		15.000	G	1UA 30	70 5.000
	SDT7402	NS 211	5	SOL	80	60	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	70 5.000
	SDT7403	NS 211	5	SOL	100	80	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	70 5.000
	SDT7411	NS 211	5	SOL	60	40	5.0	10.000	5.000	H	200J		15.000	G	1UA 30	35 5.000
	SDT7412	NS 211	5	SOL	80	60	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	35 5.000
	SDT7413	NS 211	5	SOL	100	80	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	35 5.000
	SDT7414	NS 211	5	SOL	60	40	5.0	10.000	5.000	H	200J		15.000	G	1UA 30	70 5.000
	SDT7415	NS 211	5	SOL	80	60	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	70 5.000
	SDT7416	NS 211	5	SOL	100	80	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	70 5.000
	SDT7417	NS 211	5	SOL	60	40	5.0	10.000	5.000	H	200J		15.000	G	1UA 30	150 5.000
	SDT7418	NS 211	5	SOL	80	60	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	150 5.000
	SDT7419	NS 211	5	SOL	100	80	5.0	10.000	5.000	H	200J		15.000	G	1UA 60	150 5.000
	SDT7601	NS 605	3	SOL	60	40	8.0	10.000	65.000	H	200J		60.000	G	500NA 30	70 5.000
	SDT7602	NS 605	3	SOL	80	60	8.0	10.000	65.000	H	200J		60.000	G	500NA 30	70 5.000
	SDT7603	NS 605	3	SOL	100	80	8.0	10.000	65.000	H	200J		60.000	G	500NA 60	70 5.000
	SDT7604	NS 605	3	SOL	140	120	8.0	10.000	65.000	H	200J		60.000	G	500NA 60	70 5.000
	SDT7605	NS 605	3	SOL	170	150	8.0	10.000	65.000	H	200J		60.000	G	500NA 100	70 5.000
	SDT7607	NS 605	3	SOL	60	40	8.0	10.000	65.000	H	200J		60.000	G	500NA 30	35 5.000
	SDT7608	NS 605	3	SOL	80	60	8.0	10.000	65.000	H	200J		60.000	G	500NA 30	35 5.000
	SDT7609	NS 605	3	SOL	100	80	8.0	10.000	65.000	H	200J		60.000	G	500NA 60	35 5.000
	SDT7610	NS 605	3	SOL	140	100	8.0	10.000	65.000	H	200J		60.000	G	500NA 60	35 5.000
	SDT7611	NS 605	3	SOL	170	150	8.0	10.000	65.000	H	200J		60.000	G	500NA 100	35 5.000
	SDT7612	NS 605	3	SOL	220	200	8.0	10.000	65.000	H	200J		60.000	G	500NA 100	35 5.000
	SDT7711	NS 568	111	SOL	60	40	20.0	10.000	30.000	H						40 5.000
	SDT7712	NS 568	111	SOL	80	60	20.0	10.000	30.000	H						40 5.000
	SDT7713	NS 568	111	SOL	100	80	20.0	10.000	30.000	H						40 5.000
	SDT7714	NS 568	111	SOL	120	100	20.0	10.000	30.000	H						40 5.000
	SDT7715	NS 568	111	SOL	140	125	20.0	10.000	30.000	H						40 5.000
	SDT7716	NS 568	111	SOL	165	150	20.0	10.000	30.000	H						40 5.000
	SDT7731	NS 605	3	SOL	60	40	20.0	10.000	80.000	H						40 5.000
	SDT7732	NS 605	3	SOL	80	60	20.0	10.000	80.000	H						40 5.000
	SDT7733	NS 605	3	SOL	100	80	20.0	10.000	80.000	H						40 5.000
	SDT7734	NS 605	3	SOL	120	100	20.0	10.000	80.000	H						40 5.000
	SDT7735	NS 605	3	SOL	140	125	20.0	10.000	80.000	H						40 5.000
	SDT7736	NS 605	3	SOL	165	150	20.0	10.000	80.000	H						40 5.000
	SDT7741	NS 605	66	SOL	60	40	20.0	10.000	40.000	H						40 5.000
	SDT7742	NS 605	66	SOL	80	60	20.0	10.000	40.000	H						40 5.000
	SDT7743	NS 605	66	SOL	100	80	20.0	10.000	40.000	H						40 5.000
	SDT7744	NS 605	66	SOL	120	100	20.0	10.000	40.000	H						40 5.000
	SDT7745	NS 605	66	SOL	140	125	20.0	10.000	40.000	H						40 5.000
	SDT7746	NS 605	66	SOL	165	150	20.0	10.000	40.000	H						40 5.000
	SDT7761	NS 561	61	SOL	60	40	20.0	10.000	50.000	H						40 5.000
	SDT7762	NS 561	61	SOL	80	60	20.0	10.000	50.000	H						40 5.000
	SDT7763	NS 561	61	SOL	100	80	20.0	10.000	50.000	H						40 5.000
	SDT7764	NS 561	61	SOL	120	100	20.0	10.000	50.000	H						40 5.000
	SDT7765	NS 561	61	SOL	140	125	20.0	10.000	50.000	H						40 5.000
	SDT7766	NS 561	61	SOL	165	150	20.0	10.000	50.000	H						40 5.000
	SDT7801	NS 561	61	SOL	225	200	8.0	10.000	50.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7802	NS 561	61	SOL	250	225	8.0	10.000	50.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7803	NS 561	61	SOL	275	250	8.0	10.000	50.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7804	NS 561	61	SOL	325	300	8.0	10.000	50.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7805	NS 561	61	SOL	350	325	8.0	10.000	50.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7806	NS 561	61	SOL	150	150	8.0	10.000	50.000	H	200J		50.000	G	10UA 100	15 5.000
	SDT7807	NS 561	61	SOL	200	200	8.0	10.000	50.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7808	NS 561	61	SOL	250	250	8.0	10.000	50.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7809	NS 561	61	SOL	300	300	8.0	10.000	50.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7901	NS 605	66	SOL	225	200	8.0	10.000	25.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7902	NS 605	66	SOL	250	225	8.0	10.000	25.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7903	NS 605	66	SOL	275	250	8.0	10.000	25.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7904	NS 605	66	SOL	325	300	8.0	10.000	25.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7905	NS 605	66	SOL	350	325	8.0	10.000	25.000	H	200J		50.000	G	1UA 100	35 5.000
	SDT7907	NS 605	66	SOL	200	200	8.0	10.000	25.000	H	200J		50.000	G	10UA 100	22 5.000
	SDT7908	NS 605	66	SOL	250	250	8.0	10.000	25.000	H	200J		50.000	G	10UA 100	22 5.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) Cond.			I_{CBO} @	V_{CB}	h_{FE} @	I_C(A)
	SDT7909	NS 605	66	SOL	300	300	8.0	10.000	25.000	H 200J	50.000	G	10UA	100	22	5.000
	SDT7910	NS 605	66	SOL	150	150	8.0	10.000	25.000	H 200J	50.000	G	10UA	100	15	5.000
	SDT8002	NS 561	63	SOL	80	60	8.0	20.000	100.000	H 200J	35.000	G	100UA	60	70	10.000
	SDT8003	NS 561	63	SOL	100	80	8.0	20.000	100.000	H 200J	35.000	G	100UA	60	70	10.000
	SDT8012	NS 561	63	SOL	80	60	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	35	10.000
	SDT8013	NS 561	63	SOL	100	80	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	35	10.000
	SDT8015	NS 561	63	SOL	80	60	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	70	10.000
	SDT8016	NS 561	63	SOL	100	80	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	70	10.000
	SDT8045	NS 561	63	SOL	40	25	5.0	20.000	100.000	H 200J	35.000	G	10UA	25	60	10.000
	SDT8070	NS 561	63	SOL	80	60	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	150	10.000
	SDT8071	NS 561	63	SOL	100	80	8.0	20.000	100.000	H 200J	35.000	G	10UA	60	150	10.000
	SDT8105	NS 913 A		SOL	80	60	8.0	20.000	65.000	H 200J	30.000	G	100UA	60	70	10.000
	SDT8106	NS 913 A		SOL	100	80	8.0	20.000	65.000	H 200J	30.000	G	100UA	60	70	10.000
	SDT8110	NS 913 A		SOL	80	60	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	150	10.000
	SDT8111	NS 913 A		SOL	100	80	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	150	10.000
	SDT8112	NS 913 A		SOL	80	60	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	35	10.000
	SDT8113	NS 913 A		SOL	100	80	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	35	10.000
	SDT8114	NS 913 A		SOL	40	25	8.0	20.000	65.000	H 200J	30.000	G	10UA	25	60	10.000
	SDT8115	NS 913 A		SOL	80	60	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	60	10.000
	SDT8116	NS 913 A		SOL	100	80	8.0	20.000	65.000	H 200J	30.000	G	10UA	60	60	10.000
	SDT8151	NS 560	61	SOL	150	120	8.0	20.000	65.000	H			10UA	60	70	10.000
	SDT8152	NS 560	61	SOL	100	80	8.0	20.000	65.000	H			10UA	60	70	10.000
	SDT8153	NS 560	61	SOL	80	60	8.0	20.000	65.000	H			10UA	60	70	10.000
	SDT8154	NS 560	61	SOL	100	80	8.0	20.000	65.000	H			10UA	60	150	10.000
	SDT8155	NS 560	61	SOL	80	60	8.0	20.000	65.000	H			10UA	60	150	10.000
	SDT8156	NS 560	61	SOL	150	120	8.0	20.000	65.000	H			10UA	60	35	10.000
	SDT8157	NS 560	61	SOL	100	80	8.0	20.000	65.000	H			10UA	60	35	10.000
	SDT8158	NS 560	61	SOL	80	60	8.0	20.000	65.000	H			10UA	60	35	10.000
	SDT8159	NS 560	61	SOL	40	25	8.0	20.000	65.000	H			10UA	60	30	10.000
	SDT8301	NS 561	63	SOL	80	60	8.0	30.000	100.000	H 200J	35.000	G	10UA	60	70	10.000
	SDT8302	NS 561	63	SOL	100	80	8.0	30.000	100.000	H 200J	35.000	G	10UA	60	70	10.000
	SDT8303	NS 561	63	SOL	80	60	8.0	30.000	100.000	H 200J	35.000	G	10UA	60	150	10.000
	SDT8304	NS 561	63	SOL	100	80	8.0	30.000	100.000	H 200J	35.000	G	10UA	60	150	10.000
	SDT8601	NS 403	68	SOL	80	60	8.0	100.000	166.000	H 200J	20.000	G	10UA	60	15	75.000
	SDT8602	NS 403	68	SOL	100	80	8.0	100.000	166.000	H 200J	20.000	G	10UA	60	15	75.000
	SDT8603	NS 403	68	SOL	120	100	8.0	100.000	166.000	H 200J	20.000	G	10UA	60	15	75.000
	SDT8604	NS 403	68	SOL	140	120	8.0	100.000	166.000	H 200J	20.000	G	10UA	60	15	75.000
	SDT8651	NS 403	68	SOL	200	200	8.0	60.000	166.000	H 200J			10UA	100	20	40.000
	SDT8652	NS 403	68	SOL	225	225	8.0	60.000	166.000	H 200J			10UA	100	20	40.000
	SDT8653	NS 403	68	SOL	250	250	8.0	60.000	166.000	H 200J			10UA	100	20	40.000
	SDT8654	NS 403	68	SOL	275	275	8.0	60.000	166.000	H 200J			10UA	100	20	40.000
	SDT8655	NS 403	68	SOL	300	300	8.0	60.000	166.000	H 200J			10UA	100	20	40.000
	SDT8751	NS 561	63	SOL	120	100	8.0	20.000	100.000	H 200J	30.000	G	10UA	60	30	10.000
	SDT8752	NS 561	63	SOL	140	120	8.0	20.000	100.000	H 200J	30.000	G	10UA	70	30	10.000
	SDT8753	NS 561	63	SOL	170	150	8.0	20.000	100.000	H 200J	30.000	G	10UA	80	30	10.000
	SDT8754	NS 561	63	SOL	200	180	8.0	20.000	100.000	H 200J	30.000	G	10UA	100	30	10.000
	SDT8755	NS 561	63	SOL	120	100	8.0	20.000	100.000	H 200J	30.000	G	10UA	60	52	10.000
	SDT8756	NS 561	63	SOL	140	120	8.0	20.000	100.000	H 200J	30.000	G	10UA	70	52	10.000
	SDT8757	NS 561	63	SOL	170	150	8.0	20.000	100.000	H 200J	30.000	G	10UA	80	52	10.000
	SDT8758	NS 561	63	SOL	200	180	8.0	20.000	100.000	H 200J	30.000	G	10UA	100	52	10.000
	SDT8801	NS 561	63	SOL	200	200	8.0	20.000	100.000	H 200J	30.000	G	1UA	60	30	10.000
	SDT8802	NS 561	63	SOL	225	225	8.0	20.000	100.000	H 200J	30.000	G	1UA	60	30	10.000
	SDT8803	NS 561	63	SOL	250	250	8.0	20.000	100.000	H 200J	30.000	G	1UA	60	30	10.000
	SDT8804	NS 561	63	SOL	275	275	8.0	20.000	100.000	H 200J	30.000	G	1UA	60	30	10.000
	SDT8805	NS 561	63	SOL	300	300	8.0	20.000	100.000	H 200J	30.000	G	1UA	60	30	10.000
	SDT8920	NS 561	114	SOL	80	60	8.0	100.000	200.000	H 200J			10UA	60	15	75.000
	SDT8921	NS 561	114	SOL	100	80	8.0	100.000	200.000	H 200J			10UA	60	15	75.000
	SDT8922	NS 561	114	SOL	120	100	8.0	100.000	200.000	H 200J			10UA	60	15	75.000
	SDT8923	NS 561	114	SOL	140	120	8.0	130.000	200.000	H 200J			10UA	60	15	75.000
	SDT8951	NS 561	114	SOL	200	200	8.0	60.000	200.000	H 200J			10UA	100	20	40.000
	SDT8952	NS 561	114	SOL	225	225	8.0	60.000	200.000	H 200J			10UA	100	20	40.000
	SDT8953	NS 561	114	SOL	250	250	8.0	60.000	200.000	H 200J			10UA	100	20	40.000
	SDT8954	NS 561	114	SOL	275	275	8.0	60.000	200.000	H 200J			10UA	100	20	40.000
	SDT8955	NS 561	114	SOL	300	300	8.0	60.000	200.000	H 200J			10UA	100	20	40.000
	SDT9001	NS 211	5	SOL	50	30	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	30	1.000
	SDT9002	NS 211	5	SOL	70	50	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	30	1.000
	SDT9003	NS 211	5	SOL	90	70	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	30	1.000
	SDT9004	NS 211	5	SOL	50	30	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	52	1.000
	SDT9005	NS 211	5	SOL	70	50	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	52	1.000
	SDT9006	NS 211	5	SOL	90	70	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	52	1.000
	SDT9007	NS 211	5	SOL	50	30	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	88	1.000
	SDT9008	NS 211	5	SOL	70	50	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	88	1.000
	SDT9009	NS 211	5	SOL	90	70	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	88	1.000
	SDT9010	NS 211	5	SOL	50	30	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	150	1.000
	SDT9011	NS 211	5	SOL	70	50	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	150	1.000
	SDT9012	NS 211	5	SOL	90	70	5.0	5.000	1.250	A 200J	70.000	G	1UA	25	150	1.000
	SDT9201	NS 605	3	SOL	55	45	12.0	15.000	115.000	H 200J			2MA	30	38	4.000
	SDT9202	NS 605	3	SOL	100	80	12.0	15.000	115.000	H 200J			700UA	30	38	4.000
	SDT9203	NS 605	3	SOL	120	100	12.0	15.000	115.000	H 200J			700UA	30	38	4.000
	SDT9204	NS 605	3	SOL	140	120	12.0	15.000	115.000	H 200J			700UA	30	38	4.000
	SDT9205	NS 605	3	SOL	55	45	12.0	15.000	115.000	H 200J			2MA	30	32	4.000
	SDT9206	NS 605	3	SOL	80	60	12.0	15.000	115.000	H 200J			700UA	30	32	4.000
	SDT9207	NS 605	3	SOL	100	80	12.0	15.000	115.000	H 200J			700UA	30	32	4.000
	SDT9208	NS 605	3	SOL	120	100	12.0	15.000	115.000	H 200J			700UA	30	32	4.000
	SDT9209	NS 605	3	SOL	140	120	12.0	15.000	115.000	H 200J			700UA	30	32	4.000
	SDT9210	NS 605	3	SOL	40	30	5.0	15.000	115.000	H 200J			5MA	20	30	2.000
	SDT9701	NS 605	3	SOL	100	80	7.0	15.000	150.000	C 200J			5MA	100	30	8.000
	SDT9702	NS 605	3	SOL	120	100	7.0	15.000	150.000	C 200J	.200	G	5MA	120	30	8.000
	SDT9703	NS 605	3	SOL	140	120	7.0	15.000	150.000	C 200J	.200	G	5MA	140	30	8.000
	SDT9704	NS 605	3	SOL	100	80	7.0	15.000	150.000	C 200J	.200	G	5MA	100	40	5.000
	SDT9705	NS 605	3	SOL	120	100	7.0	15.000	150.000	C 200J	.200	G	5MA	120	40	5.000
	SDT9706	NS 605	3	SOL	140	120	7.0	15.000	150.000	C 200J	.200	G	5MA	140	40	5.000
	SDT9707	NS 605	3	SOL	80	60	7.0	15.000	150.000	C 200J	.200	G	10MA	80	23	4.000
	SDT9801	NS 561	61	SOL	60	40	12.0	15.000	65.000	H 200J			1UA	40	35	5.000
	SDT9802	NS 561	61	SOL	80	60	12.0	15.000	65.000	H 200J			1UA	60	35	5.000
	SDT9803	NS 561	61	SOL	100	80	12.0	15.000	65.000	H 200J			1UA	80	35	5.000
	SDT9804	NS 561	61	SOL	120	100	12.0	15.000	65.000	H 200J			1UA	100	35	5.000
	SDT9901	NS 605	3	SOL	60	40	12.0	15.000	83.000	H 200J			1UA	40	35	5.000
	SDT9902	NS 605	3	SOL	80	60	12.0	15.000	83.000	H 200J			1UA	60	35	5.000
	SDT9903	NS 605	3	SOL	100	80	12.0	15.000	83.000	H 200J			1UA	80	35	5.000
	SDT9904	NS 605	3	SOL	120	100	12.0	15.000	83.000	H 200J			1UA	100	35	5.000
	SE1001	NS 173	106	FSC	45	45	4.0		.200	A 125J	200.000	G	500NA	30	80	.010
	SE1002	NS 173	106	FSC	45	45	4.0		.200	A 125J	200.000	G	500NA	30	200	.010
	SE1010	NS 173	106	FSC	30	15	4.0		.200	A 125J	200.000	G	50NA	15	35	.010
	SE2001	NS 173	106	FSC	35	25	4.0		.200	A 125J	200.000	G	500NA	15	80	.010
	SE2002	NS 173	106	FSC	35	25	4.0		.200	A 125J	200.000	G	500NA	15	200	.010
	SE3001	NS 173	106	FSC	30	12	2.0		.200	A	900.000	G	50NA	30	60	.008
	SE3002	NS 173	106	FSC	30	12	2.0		.200	A 125J	600.000	G	500NA	15	50	.008
	SE3005	NS 173	106	FSC	30	15	4.0		.200	A 125J	800.000	G	10NA	15	100	.008
	SE3031	NS 605	3	FSC	150	80	6.0	5.000	15.000	H 150J	50.000	G	1UA	100	75	2.000
	SE3032	NS 605	3	FSC	120	60	6.0	5.000	15.000	H 150J	80.000	G	1UA	60	150	2.000
	SE3033	NS 605	3	FSC	80	60	6.0	5.000	15.000	H 150J	50.000	G	1UA	60	75	2.000
	SE3035	NS 605	3	FSC	80	40	6.0	5.000	15.000	H 150J	120.000	G	10UA	30	80	2.000
	SE3036	NS 605	3	FSC	40	40	5.0	5.000	15.000	H 150J	120.000	G	10UA	30	80	.500
	SE3040	NS 605	66	FSC	80	40	6.0	5.000	15.000	H 150J	50.000	G	10UA	30	75	2.000
	SE3041	NS 605	66	FSC	120	60	6.0	5.000	15.000	H 150J	50.000	G	1UA	60	75	2.000
	SE4001	NS 173	106	FSC	30	25	6.0		.200	A	100.000	G	50NA	30	135	.001
	SE4002	NS 173	106	FSC	30	25	6.0		.200	A	100.000	G	50NA	30	450	.001
	SE4010	NS 173	106	FSC	30	25	6.0		.200	A	100.000	G	50NA	30	450	.001
	SE4020	NS 173	106	FSC	60	60	8.0	.050	.200	A 125J	100.000	G	2NA	45	310	.010
	SE4021	NS 173	106	FSC	45	45	8.0	.050	.200	A 125J	150.000	G	2NA	30	950	.010
	SE4022	NS 173	106	FSC	30	30	8.0	.050	.200	A 125J	200.000	G	2NA	20	540	.010
	SE5001	NS 173	106	FSC	40	40	4.0		.200	A 125J	400.000	G	500NA	20	70	.004
	SE5002	NS 173	106	FSC	40	40	4.0		.200	A 125J	400.000	G	500NA	20	70	.004
	SE5003	NS 173	106	FSC	40	40	4.0		.200	A 125J	400.000	G	500NA	20	70	.004
	SE5006	NS 173	106	FSC	40	40	4.0		.200	A 125J	400.000	G	50NA	20	70	.004
	SE5020	NS 217	72	FSC	20	20	3.0		.175	A 175J	375.000	G	50NA	10	40	.004
	SE5021	NS 217	72	FSC	20	20	3.0		.175	A 175J	375.000	G	50NA	10	40	.004
	SE5022	NS 217	72	FSC	20	20	3.0		.175	A 175J	300.000	G	50NA	10	40	.004

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.						
	SE5023	NS 217	72	FSC	20	20	3.0		.175	A	175J	300.000	G	50NA	10	40	.004
	SE5024	NS 217	72	FSC	20	20	3.0		.175	A	175J	300.000	G	50NA	10	40	.004
	SE5025	NS 173 A		FSC	30	30	3.0		.250	A	125J	300.000	G	1UA	30	35	.010
	SE5050	NS 217	72	FSC	20	20	3.0		.175	A	175J	300.000	G	50NA	10	40	.004
	SE5051	NS 217	72	FSC	20	20	3.0		.175	A	175J	300.000	G	50NA	10	40	.004
	SE5052	NS 217	72	FSC	20	20	3.0		.175	A	175J	375.000	G	50NA	10	5	
	SE5055	NS 217	72	FSC	20	20	3.0		.175	A	175J	300.000	G	50NA	20	80	.010
	SE6001	NS 173	105	FSC	40	30	5.0	1.000	.300	A	125J	40.000	G	500NA	20	100	.010
	SE6002	NS 173	105	FSC	40	30	5.0	1.000	.300	A	125J	40.000	G	500NA	20	300	.010
	SE6020	NS 173	105	FSC	60	60	6.5	1.000	.300	A	125J	250.000	G	100NA	50	180	.150
	SE6020A	NS 173	105	FSC	60	60	6.5	1.000	.300	A	125J	250.000	G	100NA	50	180	.150
	SE6021	NS 173	105	FSC	80	80	6.5	1.000	.500	A	125J	250.000	G	100NA	50	180	.150
	SE6021A	NS 173	105	FSC	80	80	6.5	1.000	.500	A	125J	250.000	G	100NA	50	180	.150
	SE6022	NS 173	106	FSC	60	60	6.5	1.000	.220	A	125J	250.000	G	100NA	50	180	.150
	SE6023	NS 173	106	FSC	80	80	6.5	1.000	.220	A	125J	250.000	G	100NA	50	180	.150
	SE7001	NS 211	39	FSC	150	150	5.0		.800	A	200J	40.000	G	100NA	75	60	.030
	SE7002	NS 211	39	FSC	120	120	5.0		.800	A	200J	40.000	G	100NA	75	60	.030
	SE7015	NS 173	105	FSC	100	100			.450	A	125J	50.000	G	10NA	80	90	.025
	SE7016	NS 173	105	FSC	140	140	6.0		.450	A	125J	50.000	G	10NA	110	90	.025
	SE7017	NS 173	105	FSC	180	180	6.0		.450	A	125J	50.000	G	10NA	150	90	.025
	SE7030	NS 605	66	FSC	300	300	8.0	.400	10.000	C	150J	30.000	G	1UA	200	100	.050
	SE7055	NS 211	39	FSC	220	220	7.0		1.000	A	200J	50.000	G	100NA	150	150	.030
	SE7056	NS 211	39	FSC	300	300	7.0		1.000	A	200J	50.000	G	100NA	200		.030
	SE7057	NS 211	39	FSC	450	450	7.0		1.000	A	200J	40.000	G	100NA	300	70	.030
	SE8001	NS 211	39	FSC	60	30	5.0		.870	A	200J	40.000	G	100NA	40	30	.150
	SE8002	NS 211	39	FSC	80	40	5.0		.870	A	200J	40.000	G	10NA	60	70	.150
	SE8010	NS 211	39	FSC	100	60	6.0	.500	.800	A	200J	300.000	G	500NA	50	78	.100
	SE8012	NS 173	105	FSC	100	60	6.0	.500	.500	A	125J	300.000	G	500NA	50	78	.100
	SE8040	NS 173	105	FSC	30	30	6.0	.750	.500	A	125J	130.000	G	50NA	25	70	.150
	SE8041	NS 211	39	FSC	30	30	6.0	.750	.800	A	200J	130.000	G	50NA	25	70	.150
	SE8042	NS 211	39	FSC	30	30	6.0	.750	1.000	A	200J	130.000	G	50NA	25	70	.150
	SE8540	PS 173	105	FSC	30	30	5.0	.750	.500	A	125J	100.000	G	50NA	25	70	.150
	SE8541	PS 211	39	FSC	30	30	5.0	.750	.800	A	200J	100.000	G	50NA	25	70	.150
	SE8542	PS 211	39	FSC	30	30	5.0	.750	1.000	A	200J	100.000	G	50NA	25	70	.150
	SE9060	NS 605	66	FSC		80S	6.0	2.000	20.000	H	150J	50.000	G	10UA	40	55	1.000
	SE9061	NS 605	66	FSC		80S	6.0	2.000	20.000	H	150J	60.000	G	10UA	40	82	1.000
	SE9062	NS 605	66	FSC		100S	6.0	2.000	20.000	H	150J	50.000	G	10UA	60	55	1.000
	SE9063	NS 605	66	FSC		100S	6.0	2.000	20.000	H	150J	60.000	G	10UA	60	82	1.000
	SE9070	NS 605	3	FSC		80S	6.0	2.000	25.000	H	150J	50.000	G	10UA	40	50	1.000
	SE9071	NS 605	3	FSC		80S	6.0	2.000	25.000	H	150J	60.000	G	10UA	40	98	1.000
	SE9072	NS 605	3	FSC		100S	6.0	2.000	25.000	H	150J	50.000	G	10UA	60	50	1.000
	SE9073	NS 605	3	FSC		100S	6.0	2.000	25.000	H	150J	60.000	G	10UA	60	98	1.000
	SE9080	NS 605	3	FSC		80S	6.0	5.000	33.000	H	150J	60.000	G	10UA	40	50	2.500
	SE9081	NS 605	3	FSC		80S	6.0	5.000	33.000	H	150J	70.000	G	10UA	40	125	2.500
	SE9082	NS 605	3	FSC		100S	6.0	5.000	33.000	H	150J	60.000	G	10UA	60	50	2.500
	SE9083	NS 605	3	FSC		100S	6.0	5.000	33.000	H	150J	70.000	G	10UA	60	125	2.500
	SE9570	PS 605	3	FSC		80S	6.0	2.000	25.000	H	150J	50.000	G	10UA	40	50	1.000
	SE9571	PS 605	3	FSC		80S	6.0	2.000	25.000	H	150J	60.000	G	10UA	40	125	1.000
	SE9572	PS 605	3	FSC		100S	8.0	2.000	25.000	H	150J	50.000	G	10UA	60	50	1.000
	SE9573	PS 605	3	FSC		100S	8.0	2.000	25.000	H	150J	60.000	G	10UA	60	125	1.000
	SE9580	PS 605	3	FSC		80S	5.0	5.000	33.000	H	150J	60.000	G	10UA	40	50	2.500
	SE9581	PS 605	3	FSC		80S	5.0	5.000	33.000	H	150J	70.000	G	10UA	40	118	2.500
	SE9582	PS 605	3	FSC		100S	5.0	5.000	33.000	H	150J	60.000	G	10UA	60	50	2.500
	SE9583	PS 605	3	FSC		100S	5.0	5.000	33.000	H	150J	70.000	G	10UA	60	118	2.500
	SF.T124	PG 181 A		CSF	24	30	12.0	.500	.350	A	100J	1.000	B	20UA	24	30	
	SF.T125	PG 181 A		CSF	24	20	12.0	.500	.350	A	100J	2.000	B	20UA	24	90	
	SF.T125P	PG 181 A		CSF	30	15	15.0	.500	.350	A	100J	2.000	B	25UA	30	90	
	SF.T130	PG 775 A		CSF	24	30	12.0	.500	.550	A	100J	1.000	B	20UA	24	30	
	SF.T131	PG 775 A		CSF	24	20	12.0	.500	.550	A	100J	2.000	B	20UA	24	90	
	SF.T131P	PG 775 A		CSF	30	15	15.0	.500	.550	A	100J	.015	E	25UA	30	90	
	SF.T143	PG 181 A		CSF	45	20	25.0	.500	.350	A	100J	.400	B	20UA	45	30	
	SF.T144	PG 181 A		CSF	45	20	25.0	.500	.350	A	100J	.600	B	20UA	45	60	
	SF.T145	PG 775 A		CSF	45	20	25.0	.500	.550	A	100J	.400	E	20UA	45	30	
	SF.T146	PG 775 A		CSF	45	20	25.0	.500	.550	A	100J	.600	E	20UA	45	60	
	SF.T163	PG 128	44	CSF	15		.5	.010	.120	A	85J	120.000	G	15UA	15	120	
	SF.T186	NS 211	5	CSF	120		5.0		.600	A	200J	140.000	G	200UA	60	30	
	SF.T212	PG 605	3	CSF	30	15	7.5	3.000	30.000	C	85J	.200	B	1MA	30	80	
	SF.T213	PG 605	3	CSF	40	30	20.0	3.000	45.000	C	95J	.200	B	1MA	40	40	
	SF.T214	PG 605	3	CSF	60	40	30.0	3.000	45.000	C	95J	.200	B	1MA	60	40	
	SF.T221	PG 212	5	CSF	30	24S	15.0	.250	.225	A	100J	1.300	B	15UA	30	30	
	SF.T222	PG 212	5	CSF	30	24S	15.0	.250	.225	A	100J	2.400	B	15UA	30	50	
	SF.T223	PG 212	5	CSF	30	20S	15.0	.250	.225	A	100J	4.000	B	15UA	30	100	
	SF.T226	PG 210	5	CSF	40	32S	24.0	.250	.150	A	100J	3.500	G	10UA	40	32	
	SF.T227	PG 210	5	CSF	30	24S	18.0	.250	.150	A	100J	4.500	G	10UA	30	46	
	SF.T228	PG 210	5	CSF	24	20S	12.0	.250	.150	A	100J	5.500	G	10UA	24	62	
	SF.T229	PG 210	5	CSF	18	15S	12.0	.250	.150	A	100J	10.000	G	10UA	18	90	
	SF.T232	PG 211	11	CSF	40	30	20.0	1.000	.450	A	85J	AUD		125UA	20	60	
	SF.T233	PG 211	11	CSF	60	40	20.0	1.000	.450	A	85J	AUD		125UA	30	60	
	SF.T234	PG 211	11	CSF	80	50	20.0	1.000	.450	A	85J	AUD		125UA	40	60	
	SF.T237	PG 210	5	CSF	15		9.0	.100	.150	A	100J	3.000	B	2MA	2	100	
	SF.T238	PG 605	3	CSF	40	30	20.0	6.000	45.000	C	95J	.200	B	3MA	40	40	
	SF.T239	PG 605	3	CSF	60	40	30.0	6.000	45.000	C	95J	.200	B	3MA	60	40	
	SF.T240	PG 605	3	CSF	80	60	40.0	6.000	45.000	C	95J	.200	B	3MA	80	40	
	SF.T243	PG 212	5	CSF	60	35S	25.0	.500	.225	A	100J	2.000	B	15UA	60	60	
	SF.T250	PG 605	3	CSF	80	60	40.0	3.000	45.000	C	95J	.200	B	1MA	80	90	
	SF.T264	PG 405	36	CSF	30	15	15.0	15.000	70.000	C	95J	.200	B	8MA	30	60	
	SF.T265	PG 405	36	CSF	40	40	20.0	15.000	70.000	C	95J	.300	B	8MA	40	50	
	SF.T266	PG 405	36	CSF	60	50	40.0	15.000	70.000	C	95J	.300	B	8MA	60	50	
	SF.T267	PG 405	36	CSF	80	60	60.0	15.000	70.000	C	95J	.300	B	8MA	80	50	
	SF.T288	PG 210	5	CSF	24		12.0	.500	.150	A	100J	7.000	B	10UA	24	70	
	SF.T298	NG 212	5	CSF	30		20.0	.500	.150	A	100J	8.000	G	10UA	30	70	
	SF.T306	PG 120	1	CSF	18	15	12.0	.100	.150	A	100J	3.000	B	10UA	15	40	
	SF.T307	PG 120	1	CSF	18	15	12.0	.100	.150	A	100J	7.000	B	10UA	15	80	
	SF.T308	PG 120	1	CSF	18	15	12.0	.100	.150	A	100J	13.000	B	10UA	15	100	
	SF.T315	PG 120	1	CSF	40	20	.5	.010	.120	A	85J	18.000	G	10UA	12	90	
	SF.T316	PG 128	44	CSF	20		.5	.010	.120	A	85J	60.000	G	15UA	15	120	
	SF.T317	PG 120	1	CSF	20		.5	.010	.150	A	100J	40.000	G	15UA	15	120	
	SF.T319	PG 120	1	CSF	20		.5	.010	.150	A	100J	15.000	G	15UA	15	50	
	SF.T320	PG 120	1	CSF	20		.5	.010	.150	A	100J	35.000	G	15UA	15	80	
	SF.T322	PG 120	1	CSF	24	20	12.0	.250	.200	A	100J	1.600	B	15UA	24	50	
	SF.T323	PG 120	1	CSF	24	20	12.0	.250	.200	A	100J	2.600	B	15UA	24	100	
	SF.T337	PG 120	1	CSF	15	15	9.0	.100	.150	A	85J	3.000	B	3UA	9	120	
	SF.T352	PG 120	1	CSF	24	20	2.0	.150	.200	A	100J	1.600	B	15UA	24	58	
	SF.T353	PG 120	1	CSF	24	20	2.0	.150	.200	A	100J	2.400	B	15UA	24	92	
	SF.T354	PG 128	44	CSF	20		.5	.010	.120	A	85J	65.000	G	15UA	15	120	
	SF.T357	PG 128	44	CSF	20		.5	.010	.120	A	85J	85.000	G	15UA	15	120	
	SF.T357P	PG 128	44	CSF	30	10	.5	.010	.120	A	85J	60.000	G	20UA	30	160	
	SF.T358	PG 128	44	CSF	20		.5	.010	.120	A	85J	110.000	G	15UA	15	120	
	SHA7520	PS 903 A		SOL	35	35	35.0		1.000	A	160J	.800	B	100NA		10	.001
	SHA7521	PS 903 A		SOL	60	60	60.0		1.000	A	160J	.800	B	100NA		10	.001
	SHA7522	PS 903 A		SOL	15	15	15.0		1.000	A	160J	.800	B	100NA		22	.001
	SHA7523	PS 903 A		SOL	35	35	35.0		1.000	A	160J	.800	B	100NA		22	.001
	SHA7524	PS 903 A		SOL	60	60	60.0		1.000	A	160J	.800	B	100NA		22	.001
	SHA7525	PS 903 A		SOL	110	110	110.0		1.000	A	160J	.800	B	100NA		22	.001
	SHA7526	PS 903 A		SOL	15	15	15.0		1.000	A	160J	.800	B	100NA		44	.001
	SHA7527	PS 903 A		SOL	35	35	35.0		1.000	A	160J	.800	B	100NA		44	.001
	SHA7528	PS 903 A		SOL	60	60	60.0		1.000	A	160J	.800	B	100NA		44	.001
	SHA7529	PS 903 A		SOL	90	90	90.0		1.000	A	160J	.800	B	100NA		22	.001
	SHA7530	PS 211	5	SOL	35	35	35.0		.400	A		.800	B	100NA		10	.001
	SHA7531	PS 211	5	SOL	60	60	60.0		.400	A		.800	B	100NA		10	.001
	SHA7532	PS 211	5	SOL	15	15	15.0		.400	A		.800	B	100NA		22	.001
	SHA7533	PS 211	5	SOL	35	35	35.0		.400	A		.800	B	100NA		22	.001
	SHA7534	PS 211	5	SOL	60	60	60.0		.400	A		.800	B	100NA		22	.001
	SHA7535	PS 211	5	SOL	110	110	110.0		.400	A		.800	B	100NA		22	.001
	SHA7536	PS 211	5	SOL	15	15	15.0		.400	A		.800	B	100NA		44	.001
	SHA7537	PS 211	5	SOL	35	35	35.0		.400	A		.800	B	100NA		44	.001
	SHA7538	PS 211	5	SOL	60	60	60.0		.400	A		.800	B	100NA		44	.001
	SHA7539	PS 211	5	SOL	90	90	90.0		.400	A		.800	B	100NA		22	.001
	SHA7597	PS 903 A		SOL	50	40	20.0		1.000	A	160J	.800	B	100NA		14	.001

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	SHA7598	PS 903 A		SOL	50	35	20.0		1.000	A	160J		.800	B	100NA	29 .001
	SHA7599	PS 903 A		SOL	50	30	20.0		1.000	A	160J		.800	B	100NA	58 .001
	SK3003	PG 120	1	RCA	9			.500	.150	A			AUD			
	SK3004	PG 120	1	RCA	15			.500	.150	A			AUD			
	SK3005	PG 120	1	RCA	12			.005	.250	A			RF AMP			
	SK3006	PG 75	45	RCA	15			.005	.250	A			FM IF			
	SK3007	PG 75	45	RCA	15			.005	.250	A			30.000	G		
	SK3008	PG 120	1	RCA	15				.250	A			RF AMP			
	SK3009	PG 605	3	RCA		50		10.000	30.000	C			AUD			
	SK3010	NG 120	1	RCA	15			.100	.150	A			AUD			
	SK3011	NG 210	5	RCA	18			.500	.150	A			RF AMP			
	SK3012	PG 405	36	RCA	15			7.500	150.000	C			AUD			
	SK3014	PG 605	3	RCA		50	1.5	5.000	12.500	C			AUD			
	SK3018	NS 217	72	RCA	25								800.000	G		
	SK3019	NS 217	72	RCA									UHF OSC			
	SK3020	NS 210	18	RCA	25			.300	.500	A					150 .010	
	SK3021	NS 605	3	RCA	300				8.000	C			25.000	G	50	
	SK3024	NS 211	5	RCA	80								100.000	G	80	
	SK3025	PS 211	5	RCA	80								100.000	G	80	
	SK3026	NS 605	3	RCA									.800	G		
	SK3027	NS 605	3	RCA									.800	G		
	SK3034	PG 605	3	RCA	80								HOR AMP			
	SK3035	PG 605	3	RCA	36			3.000	10.000	C			HOR AMP			
	SK3036	NS 605	3	RCA	36			10.000	5.000	C						
	SK3038	NS 210	18	RCA	80			20.000	150.000	C			.800	G	15 15.000	
	SK3039	NS 217	72	RCA	18			.025	.400	A			AUD		200 .002	
	SK3040	NS 211 M		RCA	15			.030	.150	A			1200.000	G		
	SK3041	NS 54 A		RCA	140				1.000	A			VID AMP		100 .025	
	SK3044	NS 211	39	RCA	18			4.000	36.000	C			AUD			
	SK3045	NS 635 B		RCA	300	300	7.0	1.000	10.000	C			15.000	G	80	
	SK3046	NS 211	5	RCA	300	300	6.0	1.000	10.000	C			15.000	G	80	
	SK3047	NS 211	39	RCA	60	30	2.0	.250	.500	A			300.000	G	50	
	SK3048	NS 211	39	RCA	60	30	2.0	.250	2.000	C			300.000	G	50	
	SK3049	NS 635 B		RCA	60	30	2.5	1.500	50.000	C			200.000	G	60	
					60	30	2.5	1.500	10.000	C			200.000	G	60	
	SK3052	PG 405	66	RCA	60	60	12.0	2.000	6.000	C			.450	G	110	
	SK3053	PS 211	5	RCA	200	200	4.0	1.000	10.000	C			15.000	G	90	
	SK3054	NS 54 D		RCA	90	70	5.0	7.000	50.000	C			2.000	G	70	
	SK3079	NS 602	3	RCA	160	140	7.0	10.000	117.000	C			10.000	G	80	
	SK3510	NS 605	3	RCA	100	60	7.0	15.000	115.000	C	200J		.900	G	700UA 60	45 4.000
	SK3511	NS 605	3	RCA	100	60	7.0	20.000	150.000	C	200J		1.000	G	10MA 60	40 4.000
	SK3512	NS 211	39	RCA	100	75	7.0	2.000	10.000	C	110J		70.000	G	500NA 100	90 .400
	SK3513	PS 211	39	RCA	100	75	7.0	2.000	10.000	C	110J		70.000	G	500NA 100	70 .400
	SN60	NS 210	18	SEM	25	15	4.0	.200	.300	A			300.000	G		100
	SN80	NS 210	5	SEM	60	40	5.0	.800	.800	A			800.000	G		70
-	SO-1	PG 105	24	SPR	5	5		.005	.020	A	65J		20.000	F	10UA 5	10
-	SO-2	PG 105	24	SPR	3	3		.005	.015	A	65J		10.000	F	10UA 3	10
-	SO-3	PG 105	24	SPR	5	5		.005	.020	A	65J		30.000	F	10UA 5	10
	SP70	PS 210	5	SEM	60	40	5.0	.800	.800	A			800.000	G		70
	SP90	PS 210	18	SEM	25	15	4.0	.200	.300	A			300.000	G		100
	SRF1001			SEE RF POWER SECTION												
	SRF1002			SEE RF POWER SECTION												
	SRF11101			SEE RF POWER SECTION												
	SRF12101			SEE RF POWER SECTION												
	SRF12212			SEE RF POWER SECTION												
	SRF12213			SEE RF POWER SECTION												
	SRF13113			SEE RF POWER SECTION												
	SRF13122			SEE RF POWER SECTION												
	SRF13123			SEE RF POWER SECTION												
	SRF13212			SEE RF POWER SECTION												
	SRF13213			SEE RF POWER SECTION												
	SRF21140			SEE RF POWER SECTION												
	SRF23121			SEE RF POWER SECTION												
	SRF23211			SEE RF POWER SECTION												
	SRF32214			SEE RF POWER SECTION												
	SRF52101			SEE RF POWER SECTION												
	SRF52214			SEE RF POWER SECTION												
	SRF53104			SEE RF POWER SECTION												
	SRF53114			SEE RF POWER SECTION												
	SRF53215			SEE RF POWER SECTION												
	SRF54215			SEE RF POWER SECTION												
	ST400	NS 561	61	TEC	60	60	10.0		78.000	C	200J		12.000	G	10MA 60	40
	ST401	NS 561	61	TEC	45	45	5.0		78.000	C	200J		12.000	G	20MA 45	44
-	ST440	NS 731	53	TEC	60	60	5.0		60.000	C	150J		4.000	B	20MA 60	25
-	ST450	NS 561	61	TEC	60	60	5.0		600.000	C	150J		4.000	B	20MA 60	25
-	ST4150	NS 210	5	TEC	60	60	6.0		.600	A	200J		8.000	G	15UA 60	25
-	ST4201	NS 210	5	TEC	45	45	4.0		.600	A	200J				15UA 30	24
-	ST4202	NS 210	5	TEC	75	75	4.0		.600	A	200J				15UA 30	24
-	ST4203	NS 210	5	TEC	45	45	4.0		.600	A	200J				15UA 30	60
-	ST4204	NS 210	5	TEC	75	75	4.0		.600	A	200J				15UA 30	60
	ST5641	NS 211	18	TEC	30	25										75 .001
	ST7100	NS 211	18	TEC	60	30			.360	A			60.000	G	2NA 45	600 .001
	ST10000	PS 561	61	TEC		80		10.000	50.000	C						30 5.000
	ST10001	PS 561	61	TEC		100		10.000	50.000	C						30 5.000
	ST14000	NS 561	63	TEC		80		80.000	200.000	C						30 50.000
	ST14000A	NS 561	63	TEC		100		80.000	200.000	C						30 50.000
	ST14011	NS 561	63	TEC	100	60			200.000	C			10.000	G	10UA 80	90 20.000
	ST14012	NS 561	63	TEC	125	80			200.000	C			10.000	G	10UA 100	90 20.000
	ST14013	NS 561	63	TEC	150	100			200.000	C			10.000	G	10UA 120	90 20.000
	ST15013	NS 561	63	TEC	100	60			125.000	C			10.000	G	10UA 80	90 10.000
	ST15014	NS 561	63	TEC	125	80		40.000	125.000	C			10.000	G	10UA 100	90 10.000
	ST15015	NS 561	63	TEC	150	100		40.000	125.000	C			10.000	G	10UA 120	90 10.000
	ST15043	NS 561	63	TEC	125	80	10.0	40.000	187.000	H	200J		10.000	G	100UA 100	50 10.000
	ST15044	NS 561	63	TEC	145	100	10.0	40.000	187.000	H			10.000	G	100UA 120	50 10.000
	ST15045	NS 561	63	TEC	170	120	10.0	40.000	187.000	H			10.000	G	100UA 135	50 10.000
	ST17003	NS 561	63	TEC		80		20.000	50.000	C						30 10.000
	ST17004	NS 561	63	TEC		100		20.000	50.000	C						30 10.000
	ST17060	NS 561	61	TEC	125	80	10.0	30.000	150.000	H			10.000	G	100UA 100	50 10.000
	ST17061	NS 561	61	TEC	145	100	10.0	30.000	150.000	H			10.000	G	100UA 120	50 10.000
	ST17062	NS 561	61	TEC	170	120	10.0	30.000	150.000	H			10.000	G	100UA 135	50 10.000
	ST18007	NS 561	63	TEC		375		2.000	100.000	C						30 10.000
	ST18008	NS 561	63	TEC		300		2.000	100.000	C						30 10.000
	ST18009	NS 561	63	TEC		250		2.000	100.000	C						30 10.000
	ST18010	NS 561	63	TEC		200		2.000	100.000	C						30 10.000
	ST18011	NS 561	61	TEC		375		10.000	50.000	C						30 5.000
	ST18012	NS 561	61	TEC		300		10.000	50.000	C						30 5.000
	ST18013	NS 561	61	TEC		250		10.000	50.000	C						30 5.000
	ST18014	NS 561	61	TEC		200		10.000	50.000	C						30 5.000
	ST18015	NS 561	59	TEC		375		5.000	30.000	C						30 2.500
	ST18016	NS 561	59	TEC		300		5.000	30.000	C						30 2.500
	ST18017	NS 561	59	TEC		250		5.000	30.000	C						30 2.500
	ST18018	NS 561	59	TEC		200		5.000	30.000	C						30 2.500
	ST40000	PS 561	63	TEC		80		40.000	100.000	C						30 25.000
	ST40001	PS 561	63	TEC		100		40.000	100.000	C						30 25.000
	ST54000	PS 561	63	TEC		80		20.000	100.000	C						30 10.000
	ST54001	PS 561	63	TEC		100		20.000	100.000	C						30 10.000
	ST61000	PS 211	18	TEC	40	35										150 .001
	ST72000	PS 561	59	TEC		80		2.000	30.000	C						75 1.000
	ST72000A	PS 561	59	TEC		100		2.000	30.000	C						75 1.000
	ST72011	PS 561	59	TEC	40	40			30.000	C			30.000	G	1UA 30	80 1.500
	ST72012	PS 561	59	TEC	60	60			30.000	C			30.000	G	1UA 40	80 1.500
	ST72013	PS 561	59	TEC	80	80			30.000	C			30.000	G	1UA 60	80 1.500
	ST72014	PS 561	59	TEC	100	100			30.000	C			30.000	G	1UA 80	80 1.500
	ST72015	PS 561	61	TEC	60	60			50.000	C			10.000	G	10UA 60	80 3.000
	ST72016	PS 561	61	TEC	80	80			50.000	C			10.000	G	10UA 60	80 3.000
	ST72017	PS 561	61	TEC	100	100			50.000	C			10.000	G	10UA 80	80 3.000
	ST72018	PS 561	63	TEC	40	40			100.000	C			10.000	G	10UA 30	70 10.000
	ST72019	PS 561	63	TEC	60	60			100.000	C			10.000	G	10UA 40	70 10.000
	ST72020	PS 561	63	TEC	80	80			100.000	C			10.000	G	10UA 60	70 10.000
	ST72021	PS 561	63	TEC	100	100			100.000	C			10.000	G	10UA 80	70 10.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond. / Temp. (°C) Cond.						
	ST74000	NS 211	5	TEC		100			10.000 C						105	1.000
	ST74049	NS 211	5	TEC	125	80	10.0	2.000	11.250 H		10.000	G	10UA	100	50	1.000
	ST74050	NS 211	5	TEC	145	100	10.0	2.000	11.250 H		10.000	G	10UA	120	50	1.000
	ST74051	NS 211	5	TEC	170	120	10.0	2.000	11.250 H		10.000	G	10UA	135	50	1.000
	ST75000	PS 211	5	TEC		80		1.000	10.000 C						75	1.000
	ST75001	PS 211	5	TEC		100		1.000	10.000 C						75	1.000
	ST76006	PS 561	59	TEC		80		5.000	30.000 C						30	2.500
	ST76007	PS 561	59	TEC		100		5.000	30.000 C						30	2.500
	ST84000	NS 211	5	TEC		100		.500	5.000 C						80	.200
	ST84027	NS 211	5	TEC	170	120	10.0	1.000	7.500 H		10.000	G	10UA	130	70	.200
	ST84028	NS 211	5	TEC	190	140	10.0	1.000	7.500 H		10.000	G	10UA	150	70	.200
	ST84029	NS 211	5	TEC	220	180	10.0	1.000	7.500 H		10.000	G	10UA	170	70	.200
	ST86020	NS 561	61	TEC	125	80	10.0	5.000	75.000 H		10.000	G	100UA	100	50	3.000
	ST86021	NS 561	61	TEC	145	100	10.0	5.000	75.000 H		10.000	G		120	50	3.000
	ST86022	NS 561	61	TEC	170	120	10.0	5.000	75.000 H		10.000	G		135	50	3.000
	ST90100	NS 561	59	TEC		100		5.000	30.000 C						115	1.000
	ST91000	NS 561	59	TEC		100		2.000	30.000 C						105	1.000
	ST91054	NS 211	5	TEC	125	80	10.0	5.000	15.000 H	200J	10.000	G	20UA	100	50	2.000
	ST91055	NS 211	5	TEC	145	100	10.0	5.000	15.000 H	200J	10.000	G	20UA	120	50	2.000
	ST91056	NS 211	5	TEC	170	120	10.0	5.000	15.000 H	200J	10.000	G	20UA	135	50	2.000
	ST91057	NS 561	59	TEC	125	80	10.0	10.000	60.000 H	200J	10.000	G	30UA	100	50	2.000
	ST91058	NS 561	59	TEC	145	100	10.0	10.000	60.000 H	200J	10.000	G	30UA	120	50	2.000
	ST91059	NS 561	59	TEC	170	120	10.0	10.000	60.000 H	200J	10.000	G	30UA	135	50	2.000
	ST92006	NS 561	59	TEC	125	80	10.0	20.000	45.000 H	200J	10.000	G	20UA	100	50	1.000
	ST92007	NS 561	59	TEC	145	100	10.0	20.000	45.000 H	200J	10.000	G	20UA	120	50	1.000
	ST92008	NS 561	59	TEC	170	120	10.0	20.000	45.000 H	200J	10.000	G	20UA	135	50	1.000
	STC1024	NS 731	53	STC		60		5.000	85.000 C				1MA	80	41	1.500
	STC1080	NS 605	3	STC		40		3.000	75.000 C				10MA	40	21	1.000
	STC1081	NS 605	3	STC		60		3.000	75.000 C				10MA	60	21	1.000
	STC1082	NS 605	3	STC		80		3.000	75.000 C				10MA	80	21	1.000
	STC1083	NS 605	3	STC		40		5.000	75.000 C				10MA	40	18	2.000
	STC1084	NS 605	3	STC		60		5.000	75.000 C				10MA	60	18	2.000
	STC1085	NS 605	3	STC		80		5.000	75.000 C				10MA	80	18	2.000
	STC1300	NS 461	57	STC		40		1.500	40.000 C				1MA	60	40	.300
	STC1550	NS 561	61	STC		40		3.000	85.000 C				1MA	40	21	1.000
	STC1551	NS 561	61	STC		60		3.000	85.000 C				1MA	60	21	1.000
	STC1552	NS 561	61	STC		80		3.000	85.000 C				1MA	80	21	1.000
	STC1553	NS 561	61	STC		40		5.000	85.000 C				1MA	40	17	2.000
	STC1726	NS 561	63	STC	80	80	10.0	20.000	200.000 C	200J			2MA	80	50	
	STC1728	NS 561	63	STC	80	80	10.0	30.000	200.000 C	200J			2MA	80	24	
	STC1731	NS 561	63	STC	100	100	10.0	20.000	200.000 C	200J			2MA	100	50	
	STC1733	NS 561	63	STC	100	100	10.0	30.000	200.000 C	200J			2MA	100	24	
	STC1736	NS 561	63	STC	150	150	10.0	20.000	200.000 C	200J			2MA	150	50	
	STC1738	NS 561	63	STC	150	150	10.0	30.000	200.000 C	200J			2MA	150	24	
	STC1800	NS 631	37	STC		40		2.500	17.500 C				50UA	60	40	.300
	STC1850	NS 631	37	STC		60		3.000	17.500 C				350UA	80	30	1.000
	STC2220	NS 605	3	STC	80	80	10.0	20.000	200.000 C	200J			2MA	80	30	
	STC2221	NS 605	3	STC	100	100	10.0	20.000	200.000 C	200J			2MA	100	30	
	STC2222	NS 605	3	STC	150	150	10.0	20.000	200.000 C	200J			2MA	150	30	
	STC2223	NS 605	3	STC	200	200	10.0	20.000	200.000 C	200J			2MA	200	30	
	STC2224	NS 605	3	STC	80	80	10.0	25.000	200.000 C	200J			2MA	80	30	
	STC2225	NS 605	3	STC	100	100	10.0	25.000	200.000 C	200J			2MA	100	30	
	STC2226	NS 605	3	STC	150	150	10.0	25.000	200.000 C	200J			2MA	150	30	
	STC2227	NS 605	3	STC	200	200	10.0	25.000	200.000 C	200J			2MA	200	30	
	STC2228	NS 605	3	STC	80	80	10.0	30.000	200.000 C	200J			2MA	80	26	
	STC2229	NS 605	3	STC	100	100	10.0	30.000	200.000 C	200J			2MA	100	26	
	STC2230	NS 605	3	STC	150	150	10.0	30.000	200.000 C	200J			2MA	150	26	
	STC2231	NS 605	3	STC		200		30.000	200.000 C				2MA	200	20	20.000
	STC3706	NS 561	63	STC	200	200	10.0	30.000	200.000 C	200J			2MA	200	24	
-	STC4401	NS 605	66	STC	50	40	5.0	4.000	25.000 C	200J			1MA	30	50	1.500
-	STC5109/I	PS 730	53	STC	40	40	10.0	3.000	85.000 C	200J			250UA	20	36	1.000
-	STC5110/I	PS 730	53	STC	60	60	10.0	3.000	85.000 C	200J			250UA	30	36	1.000
-	STC5111/I	PS 730	53	STC	80	80	10.0	3.000	85.000 C	200J			250UA	40	36	1.000
-	STC5112/I	PS 730	53	STC	40	40	10.0	2.000	85.000 C	200J			250UA	20	36	.500
-	STC5113/I	PS 730	53	STC	60	60	10.0	2.000	85.000 C	200J			250UA	30	36	.500
-	STC5114/I	PS 730	53	STC	80	80	10.0	2.000	85.000 C	200J			250UA	40	36	.500
	STC5202	PS 171	8	STC	40	40	10.0	3.000	25.000 C	200J			250UA	20	36	1.000
	STC5203	PS 171	8	STC	60	60	10.0	3.000	25.000 C	200J			250UA	30	36	1.000
	STC5204	PS 171	8	STC	80	80	10.0	3.000	25.000 C	200J			250UA	40	36	1.000
	STC5205	PS 171	8	STC	40	40	10.0	2.000	25.000 C	200J			250UA	20	36	.500
	STC5206	PS 171	8	STC	60	60	10.0	2.000	25.000 C	200J			250UA	30	36	.500
	STC5207	PS 171	8	STC	80	80	10.0	2.000	25.000 C	200J			250UA	40	36	.500
-	STC5519/I	PS 560	61	STC	40	40	10.0	3.000	85.000 C	200J			250UA	20	36	1.000
-	STC5520/I	PS 560	61	STC	60	60	10.0	3.000	85.000 C	200J			250UA	30	36	1.000
-	STC5521/I	PS 560	61	STC	80	80	10.0	3.000	85.000 C	200J			250UA	40	36	1.000
-	STC5522/I	PS 560	61	STC	40	40	10.0	2.000	85.000 C	200J			250UA	20	36	.500
-	STC5523/I	PS 560	61	STC	60	60	10.0	2.000	85.000 C	200J			250UA	30	36	.500
-	STC5524/I	PS 560	61	STC	80	80	10.0	2.000	85.000 C	200J			250UA	40	36	.500
	STC5610	PS 211	5	STC		60	10.0	1.000	8.750 C	200J	1.000	G	150UA	20	35	.150
	STC5611	PS 211	5	STC		100	10.0	1.000	8.750 C	200J	1.000	G	150UA	40	35	.150
	STC5612	PS 211	5	STC		120	10.0	1.000	8.750 C	200J	1.000	G	150UA	80	35	.150
	STC5624	PS 211	5	STC	120	120	10.0	1.000	8.750 C	200J			150UA	60	24	
	STC5802	PS 631	37	STC	40	40	10.0	3.000	17.500 C	200J			250UA	20	36	1.000
	STC5803	PS 631	37	STC	60	60	10.0	3.000	17.500 C	200J			250UA	30	36	1.000
	STC5804	PS 631	37	STC	80	80	10.0	3.000	17.500 C	200J			250UA	40	36	1.000
	STC5805	PS 631	37	STC	40	40	10.0	2.000	17.500 C	200J			250UA	20	36	.500
	STC5806	PS 631	37	STC	60	60	10.0	2.000	17.500 C	200J			250UA	30	36	.500
	STC5807	PS 631	37	STC	80	80	10.0	2.000	17.500 C	200J			250UA	40	36	.500
-	STC7644	NS 211	5	STC	150	150	10.0	3.000	8.750 C	200J			250UA	125	40	
-	STC7645	NS 211	5	STC	180	180	10.0	3.000	8.750 C	200J			250UA	180	38	
	STSI121	NS 605	3	SEN	200	200X	7.0	10.000	117.000 C	200J	.025	F	2MA	200	37	3.000
	STSI122	NS 605	3	SEN	200	200X	7.0	15.000	115.000 C	200J	.020	F	2MA	200	37	4.000
	STSI131	NS 605	3	SEN		225	7.0	7.500	115.000 C	200J	4.000	F	1MA	225	33	3.000
	STSI132	NS 605	3	SEN		275	7.0	7.500	115.000 C	200J	4.000	F	1MA	275	33	3.000
	STSI133	NS 605	3	SEN		350	7.0	7.500	115.000 C	200J	4.000	F	1MA	350	33	3.000
	STSI134	NS 605	3	SEN		400	7.0	7.500	115.000 C	200J	4.000	F	1MA	400	33	3.000
	STT1800	NS 211	5	STC	80	80	10.0	5.000	5.000 C	200J	1.000	G	100UA	80	70	1.500
	STT1900	NS 171	8	STC	80	80	10.0	5.000	14.000 H	200J	1.000	G	100UA	80	70	3.000
	STT2000	NS 731	53	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	3.000
	STT2050	NS 561	61	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	3.000
	STT2200	NS 561	59	STC	80	80	10.0	5.000	30.000 H	200J	1.000	G	100UA	80	70	1.500
	STT2300	NS 605	3	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	1.500
	STT2400	NS 211	5	STC	150	150	12.0	7.500	10.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2401	NS 211	5	STC	140	120	12.0	7.500	10.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2402	NS 211	5	STC	140	120	12.0	7.500	10.000 H	200J	25.000	G	1UA	60	88	2.000
	STT2403	NS 211	5	STC	125	100	12.0	7.500	10.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2404	NS 211	5	STC	100	80	12.0	7.500	10.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2405	NS 211	5	STC	75	60	10.0	7.500	10.000 H	200J	25.000	G	1UA	40	52	2.000
	STT2406	NS 211	5	STC	40	30	10.0	7.500	10.000 H	200J	25.000	G	500UA	20	45	2.000
	STT2650	NS 561	61	STC	150	150	12.0	7.500	75.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2651	NS 561	61	STC	140	120	12.0	7.500	75.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2652	NS 561	61	STC	140	120	12.0	7.500	75.000 H	200J	25.000	G	1UA	60	88	2.000
	STT2653	NS 561	61	STC	120	100	12.0	7.500	75.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2654	NS 561	61	STC	100	80	12.0	7.500	75.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2655	NS 561	61	STC	75	60	10.0	7.500	75.000 H	200J	25.000	G	1UA	40	52	2.000
	STT2656	NS 561	61	STC	40	30	10.0	7.500	75.000 H	200J	25.000	G	500UA	20	45	2.000
	STT2800	NS 561	59	STC	150	150	12.0	7.500	40.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2801	NS 561	59	STC	140	120	12.0	7.500	40.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2802	NS 561	59	STC	140	120	12.0	7.500	40.000 H	200J	25.000	G	1UA	60	88	2.000
	STT2803	NS 561	59	STC	120	100	12.0	7.500	40.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2804	NS 561	59	STC	100	80	12.0	7.500	40.000 H	200J	25.000	G	1UA	60	52	2.000
	STT2805	NS 561	59	STC	75	60	10.0	7.500	40.000 H	200J	25.000	G	1UA	40	52	2.000
	STT2806	NS 561	59	STC	40	30	10.0	7.500	40.000 H	200J	25.000	G	500UA	20	45	2.000
	STT3000	NS 211	5	STC	80	80	10.0	5.000	5.000 C	200J	1.000	G	100UA	80	70	3.000
	STT3100	NS 171	8	STC	80	80	10.0	5.000	14.000 H	200J	1.000	G	100UA	80	70	3.000
	STT3200	NS 731	53	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	3.000
	STT3250	NS 561	61	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	3.000
	STT3400	NS 561	59	STC	80	80	10.0	5.000	30.000 H	200J	1.000	G	100UA	80	70	3.000
	STT3500	NS 605	3	STC	80	80	10.0	5.000	50.000 H	200J	1.000	G	100UA	80	70	3.000

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	STT4451	NS 211	5	STC	80	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	35	1.000
	STT4452	NS 211	5	STC	100	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	35	1.000
	STT4453	NS 211	5	STC	80	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	70	1.000
	STT4454	NS 211	5	STC	100	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	35	1.000
	STT4455	NS 211	5	STC	80	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	150	1.000
	STT4456	NS 211	5	STC	100	80	8.0	5.000	4.000	H	200J		20.000	G	1UA	60	35	1.000
	STT6309	NS 581	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	35	1.000
	STT6310	NS 581	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	35	1.000
	STT6312	NS 581	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	70	1.000
	STT6313	NS 581	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	70	1.000
	STT6315	NS 581	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	150	1.000
	STT6316	NS 581	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	150	1.000
	STT6409	NS 568	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	35	1.000
	STT6410	NS 568	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	35	1.000
	STT6412	NS 568	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	70	1.000
	STT6413	NS 568	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	70	1.000
	STT6415	NS 568	111	STC	80	60	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	150	1.000
	STT6416	NS 568	111	STC	100	80	8.0	5.000	30.000	H	200J		30.000	G	1UA	60	150	1.000
	STT9001	NS 211	5	STC	50	30	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	30	1.000
	STT9002	NS 211	5	STC	70	50	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	30	1.000
	STT9003	NS 211	5	STC	90	70	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	30	1.000
	STT9004	NS 211	5	STC	50	30	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	52	1.000
	STT9005	NS 211	5	STC	70	50	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	52	1.000
	STT9006	NS 211	5	STC	90	70	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	52	1.000
	STT9007	NS 211	5	STC	50	30	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	88	1.000
	STT9008	NS 211	5	STC	70	50	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	88	1.000
	STT9009	NS 211	5	STC	90	70	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	88	1.000
	STT9010	NS 211	5	STC	50	30	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	150	1.000
	STT9011	NS 211	5	STC	70	50	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	150	1.000
	STT9012	NS 211	5	STC	90	70	5.0	5.000	4.000	H	200J		10.000	G	1UA	25	150	1.000
	SYL792	PG 210	5	ETC	20		10.0		.150	A	100A		4.800	B	6UA	5	75	
	SYL4443	NS 211	5	SYL	70	45	5.0	2.000	5.000	C	200J		400.000	G	200NA	60	40	
	T0003			SEE 2N207														
	T0004			SEE 2N207A														
	T0005			SEE 2N207B														
	T0014			SEE 2N536														
	T0015			SEE 2N535A														
	T0033			SEE 2N535														
	T1013			SEE 2N223														
	T1028			SEE 2N128														
	T1032			SEE 2N346														
	T1038			SEE 2N240														
	T1042			SEE 2N226														
	T1046			SEE 2N224														
	T1166			SEE 2N393														
	T1224			SEE 2N344														
	T1225			SEE 2N345														
	T1250			SEE 2N588														
	T1251			SEE 2N499														
	T1275			SEE 2N495														
	T1276			SEE 2N496														
	T1289			SEE 2N300														
	T1291			SEE 2N299														
	T1312			SEE 2N501														
	T1314			SEE 2N504														
	T1322			SEE 2N503														
	T1326			SEE 2N598														
	T1327			SEE 2N1122														
	T1328			SEE 2N1122A														
	T1334			SEE 2N597														
	T1342			SEE 2N502														
	T1346			SEE 2N599														
	T1347			SEE 2N670														
	T1392			SEE 2N1126														
	T1393			SEE 2N671														
	T1395			SEE 2N600														
	T1396			SEE 2N1124														
	T1397			SEE 2N1125														
	T1398			SEE 2N1127														
	T1431			SEE 2N672														
	T1472			SEE 2N1495														
	T1473			SEE 2N1496														
	T1474			SEE 2N1500														
	T1475			SEE 2N673														
	T1510			SEE 2N501A														
	T1512			SEE 2N601														
	T1537			SEE 2N1123														
	T1546			SEE 2N1129														
	T1573			SEE 2N1130														
	T1574			SEE 2N1128														
	T1808			SEE 2N1494														
	T1930			SEE 2N768														
	TA2658			SEE 2N3866														
	TA2714			SEE 2N4012														
	TA2761			SEE 40608														
	TA2791			SEE 2N5102														
	TF78/30	PG 170	8	SIH	32	24	10.0	.600	3.000	C	90J		.700	F	30UA	32	68	.050
	TF78/60	PS 170	8	SIH	64	45	16.0	.600	3.000	C	90J		.700	F	30UA	64	68	.050
	TI-156	PG 211 G		TII	30	30	15.0	3.000	25.000	C	100J		.220	G	650UA	30	60	
	TI-156L	PG 211 F		TII	30	30	15.0	3.000	25.000	C	100J		.220	G	650UA	30	60	
-	TI-158	PG 211 G		TII	60	40	30.0	3.000	25.000	C	100J		.220	G	650UA	60	60	
-	TI-158A	PG 211 G		TII	80	60	30.0	3.000	25.000	C	100J		.220	G	650UA	80	60	
-	TI-158AL	PG 211 F		TII	80	60	30.0	3.000	25.000	C	100J		.220	G	650UA	80	60	
-	TI-158L	PG 211 F		TII	60	40	30.0	3.000	25.000	C	100J		.220	G	650UA	60	60	
	TI-159	PG 211 H		TII	40	30	20.0	3.000	20.000	C	100C		225.000	G	125UA	20	50	
	TI-160	PG 211 H		TII	80	50	20.0	3.000	20.000	C	100C		225.000	G	125UA	40	50	
	TI-161	PG 211 H		TII	80	50	20.0	3.000	20.000	C	100C		225.000	G	125UA	40	50	
	TI-162	PG 211 H		TII	100	60	20.0	3.000	20.000	C	100C		225.000	G	125UA	50	50	
	TI-363	PG 120	58	TII	30			.050	.150	A	85J		AM IF		100UA	30	70	
	TI-364	PG 120	58	TII	30			.050	.150	A			AM IF		335UA	12	40	
	TI-365	PG 120	58	TII	30			.050	.150	A			70.000	G	335UA	12	140	
-	TI-388	PG 120	58	TII	30			.050	.150	A			80.000	G	335UA	12	70	
-	TI-389	PG 120	58	TII	30			.050	.150	A			80.000	G	335UA	12	40	
	TI-390	PG 217	72	TII	18			.050	.075	A			990.000	B	5UA	10	80	
	TI-391	PG 217	72	TII	18			.050	.075	A			990.000	B	5UA	10	40	
-	TI-392	PG 217	72	TII	18			.050	.075	A			990.000	B	5UA	10	40	
-	TI-393	PG 217	72	TII	18			.050	.075	A			990.000	B	5UA	10	50	
	TI-395	PG 120	58	TII	30			.050	.150	A			100.000	G	335UA	12	120	
-	TI-396	PG 120	58	TII	45			.050	.150	A			60.000	G	335UA	12	120	
	TI-397	PG 120	58	TII	35			.050	.150	A			45.000	G	335UA	12	70	
	TI-398	PG 120	58	TII	35			.050	.150	A			45.000	G	335UA	12	60	
	TI-399	PG 120	58	TII	35			.050	.150	A			AM IF		31A	12	40	
	TI-400	PG 250 A		TII	18		.3	.050	.075	A	100J		400.000	G	5UA	10	80	
	TI-401	PG 250 A		TII	18		.3	.050	.075	A	100J		300.000	G	5UA	10	40	
	TI-402	PG 250 A		TII	18		.3	.050	.075	A	100J		300.000	G	5UA	10	40	
	TI-403	PG 250 A		TII	18		.3	.050	.075	A	100J		300.000	G	5UA	10	70	
-	TI-407	NS 43	92	TII	25	12	3.0	.030	.200	A	125A		450.000	G	500NA	10	20	
-	TI-408	NS 43	92	TII	25	12	3.0	.030	.200	A	125A		300.000	G	500NA	10	16	
-	TI-409	NS 43	92	TII	25	12	3.0	.030	.200	A	125A		300.000	G	500NA	10	16	
-	TI-411	NS 43	92	TII	50	30	5.0	.800	.300	A	125A		100.000	G	500NA	20	420	
	TI-412			SEE 2N3704														
	TI-413			SEE 2N3705														
	TI-414			SEE 2N3706														
	TI-415			SEE 2N3707														
	TI-416			SEE 2N3708														
	TI-417			SEE 2N3710														
	TI-418			SEE 2N3711														
-	TI-419	NS 43	92	TII	30	30	6.0	.030	.250	A	125A		AM IF		500NA	20	370	
	TI-420			SEE 2N2387														

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.				
	TI-421			SEE 2N2388												
	TI-422			SEE 2N851												
	TI-423			SEE 2N852												
	TI-424			SEE 2N2389												
	TI-425			SEE 2N2390												
	TI-428			SEE 2N2393												
	TI-429			SEE 2N2394												
	TI-430			SEE 2N849												
	TI-431			SEE 2N850												
	TI-432			SEE 2N2395												
	TI-433			SEE 2N2396												
	TI-474			SEE 2N929												
	TI-475			SEE 2N930												
	TI-480	NS 210	11	TII	50	40	1.0	.060	.600	A	125J		1.000	B	2UA 30	22 .005
	TI-481	NS 210	11	TII	80	70	1.0	.060	.600	A	125J		1.000	B	2UA 30	22 .005
	TI-482	NS 211	5	TII	20	20	5.0	.500	.600	A	150J		30.000	B	2UA 10	40 .150
	TI-483	NS 211	5	TII	40	20	5.0	.500	.600	A	150J		40.000	G	2UA 30	40 .150
	TI-484	NS 211	5	TII	40	20	5.0	.500	.600	A	150J		40.000	G	2UA 30	80 .150
	TI-485	NS 211	18	TII	20	14	3.0	1.000	.300	A	150J		100.000	G	1UA 15	36 .010
	TI-486	NS 211	5	TII	80	60	6.0	.750	.800	A	175J		10.000	G	3UA 60	40 .200
	TI-487	NS 541 D		TII	80	60	6.0	.750	15.000	C	175J		10.000	G	3UA 60	40 .200
	TI-490			SEE 2N780												
	TI-492	NS 210	5	TII	40	20	1.0	.025	.125	A	125J		4.000	B	2UA 30	36
	TI-493	NS 210	5	TII	40	20	1.0	.020	.125	A	125J		10.000	B	2UA 20	30
	TI-494	NS 210	5	TII	40	20	1.0	.020	.125	A	125J		10.000	B	2UA 20	80
	TI-495	NS 210	5	TII	40	20	1.0	.020	.125	A	125J		10.000	B	2UA 20	180
	TI-496	NS 210	11	TII	70			.060	.600	A	125J				2UA 50	20
-	TI-539	PG 561 G		TII	80	60	28.0	3.500	25.000	C	100C		.250	G	1MA 80	50
-	TI-540	PG 561 G		TII	80	60	28.0	3.500	25.000	C	100C		.250	G	1MA 80	80
	TI-890			SEE 2N2861												
	TI-891			SEE 2N2862												
	TI-1121	NS 731	53	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1122	NS 731	53	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1123	NS 731	53	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1124	NS 731	53	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1125	NS 731	53	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1126	NS 731	53	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1131	NS 561	61	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1132	NS 561	61	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1133	NS 561	61	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1134	NS 561	61	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1135	NS 561	61	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	74
	TI-1136	NS 561	61	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	38
	TI-1141	NS 731	53	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1142	NS 731	53	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-1143	NS 731	53	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1144	NS 731	53	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-1145	NS 731	53	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1146	NS 731	53	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-1151	NS 561	61	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1152	NS 561	61	TII	200	100	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-1153	NS 561	61	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1154	NS 561	61	TII	150	75	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-1155	NS 561	61	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	50
	TI-1156	NS 561	61	TII	100	50	8.0	7.500	80.000	C	175J		7.500	G	100UA 30	26
	TI-3015			SEE 2N3570												
	TI-3027	PG 605	3	TII,TIL	45	40R	20.0	7.000	150.000	C	100J		.200	G	1MA 30	102 3.000
	TI-3028	PG 605	3	TII,TIL	60	50R	20.0	7.000	150.000	C	100J		.200	G	1MA 40	102 3.000
	TI-3029	PG 605	3	TII,TIL	80	55R	20.0	7.000	150.000	C	100J		.200	G	1MA 50	102 3.000
	TI-3030	PG 605	3	TII,TIL	100	66R	20.0	7.000	150.000	C	100J		.200	G	1MA 60	102 3.000
	TI-3031	PG 605	3	TII,TIL	120	65R	20.0	7.000	150.000	C	100J		.200	G	1MA 70	102 3.000
-	TIA01	PG 211	39	TII	50	35R	40.0	.150	.150	A	100A		4.000	B	5UA 25	
-	TIA02	PG 211	39	TII	40	25R	30.0	.150	.150	A	100A		4.000	B	5UA 20	
-	TIA03	PG 211	39	TII	25	20R	25.0	.150	.150	A	100A		4.000	B	5UA 20	
-	TIA04	PG 211	39	TII	25	20R	25.0	.150	.150	A	100A		4.000	B	5UA 20	
-	TIA05	PG 211	39	TII	20	15R	20.0	.150	.150	A	100A		4.000	B	7UA 20	
-	TIG05	PG 605	3	TII	50	35	30.0	50.000	150.000	C	100C		.200	G	20MA 45	100 5.000
-	TIG06	PG 605	3	TII	75	45	30.0	50.000	150.000	C	100C		.200	G	20MA 70	100 5.000
-	TIG07	PG 605	3	TII	100	55	30.0	50.000	150.000	C	100C		.200	G	20MA 95	100 5.000
-	TIG08	PG 607	41	TII	50	35	30.0	50.000	150.000	C	100C		.200	G	20MA 45	100 5.000
-	TIG09	PG 607	41	TII	75	45	30.0	50.000	150.000	C	100C		.200	G	20MA 70	100 5.000
-	TIG10	PG 607	41	TII	100	55	30.0	50.000	150.000	C	100C		.200	G	20MA 95	100 5.000
-	TIP04	NS 605	3	TII	400	300	5.0	2.500	65.000	C	150J		3.000	G	2MA 200	46 1.000
-	TIP14	NS 760 A		TII	80	60	5.0	1.000	10.000	C	150C		10.000	G	50UA 75	70 .200
-	TIP24	NS 760 A		TII	70	70R	9.0	2.000	10.000	C	150J		10.000	G	250UA 70	54 1.500
-	TIP27	NS 760 A		TII	300	300	6.0	.500	10.000	C	150C		2.000	G		63 .200
	TIP29	NS 54 B		TII,TIL	40	40	5.0	1.000	30.000	C	150J		3.000	G	200UA 40	90 .200
	TIP29A	NS 54 B		TII,TIL	60	60	5.0	1.000	30.000	C	150J		3.000	G	200UA 60	90 .200
	TIP29B	NS 54 B		TIL	80	80	5.0	1.000	30.000	C			3.000	G		90 .200
	TIP29C	NS 54 B		TIL	100	100	5.0	1.000	30.000	C			3.000	G		90 .200
	TIP30	PS 54 B		TII,TIL	40	40	5.0	1.000	30.000	C	150J		3.000	G	200UA 40	90 .200
	TIP30A	PS 54 B		TII,TIL	60	60	5.0	1.000	30.000	C	150J		3.000	G	200UA 60	90 .200
	TIP30B	PS 54 B		TIL	80	80	5.0	1.000	30.000	C			3.000	G		90 .200
	TIP30C	PS 54 B		TIL	100	100	5.0	1.000	30.000	C			3.000	G		90 .200
	TIP31	NS 54 B		TII,TIL	40	40	5.0	3.000	40.000	C	150J		3.000	G	300UA 40	45 1.000
	TIP31A	NS 54 B		TII,TIL	60	60	5.0	3.000	40.000	C	150J		3.000	G	300UA 60	45 1.000
	TIP31B	NS 54 B		TIL	80	80	5.0	3.000	40.000	C			3.000	G		45 1.000
	TIP31C	NS 54 B		TIL	100	100	5.0	3.000	40.000	C			3.000	G		45 1.000
	TIP32	PS 54 B		TII,TIL	40	40	5.0	3.000	40.000	C	150J		3.000	G	300UA 40	45 1.000
	TIP32A	PS 54 B		TII,TIL	60	60	5.0	3.000	40.000	C	150J		3.000	G	300UA 60	45 1.000
	TIP32B	PS 54 B		TIL	80	80	5.0	3.000	40.000	C			3.000	G		45 1.000
	TIP32C	PS 54 B		TIL	100	100	5.0	3.000	40.000	C			3.000	G		45 1.000
	TIP33	NS 54 C		TII,TIL	40	40	5.0	10.000	80.000	C	150J		3.000	G	400UA 40	56 1.000
	TIP33A	NS 54 C		TII,TIL	60	60	5.0	10.000	80.000	C	150J		3.000	G	400UA 60	56 1.000
	TIP33B	NS 54 C		TIL	80	80	5.0	10.000	80.000	C			3.000	G		56 1.000
	TIP33C	NS 54 C		TIL	100	100	5.0	10.000	80.000	C			3.000	G		56 1.000
	TIP34	PS 54 C		TII,TIL	40	40	5.0	10.000	80.000	C	150J		3.000	G	400UA 40	56 1.000
	TIP34A	PS 54 C		TII,TIL	60	60	5.0	10.000	80.000	C	150J		3.000	G	400UA 60	56 1.000
	TIP34B	PS 54 C		TIL	80	80	5.0	10.000	80.000	C			3.000	G		56 1.000
	TIP34C	PS 54 C		TIL	100	100	5.0	10.000	80.000	C			3.000	G		56 1.000
	TIP35	NS 54 C		TII,TIL	40	40	5.0	25.000	90.000	C	150J		3.000	G	700UA 40	45 5.000
	TIP35A	NS 54 C		TII,TIL	60	60	5.0	25.000	90.000	C	150J		3.000	G	700UA 60	45 5.000
	TIP35B	NS 54 C		TIL	80	80	5.0	25.000	90.000	C			3.000	G		45 5.000
	TIP35C	NS 54 C		TIL	100	100	5.0	25.000	90.000	C			3.000	G		45 5.000
	TIP36	PS 54 C		TII,TIL	40	40	5.0	25.000	90.000	C	150J		3.000	G	700UA 40	45 5.000
	TIP36A	PS 54 C		TII,TIL	60	60	5.0	25.000	90.000	C	150J		3.000	G	700UA 60	45 5.000
	TIP36B	PS 54 C		TIL	80	80	5.0	25.000	90.000	C			3.000	G		45 5.000
	TIP36C	PS 54 C		TIL	100	100	5.0	25.000	90.000	C			3.000	G		45 5.000
	TIS03			SEE 2N3702												
	TIS04			SEE 2N3703												
	TIS18	NS 43	92	TIL	25	13	3.0	.030	.200	A	125A		600.000	G	500NA 12	40 .010
	TIS22	NS 930 A		TIL	45	45	6.0	.050	.150	A	125A		30.000	G	10NA 45	70
	TIS23	NS 930 A		TIL	45	45	6.0	.050	.150	A	125A		30.000	G	10NA 45	180
	TIS24	NS 930 A		TIL	60	60	6.0	.050	.150	A	125A		60.000	G	10NA 45	220
	TIS37	PS 43	92	TII,TIL	35	32	6.0	.050	.200	A	125A		80.000	G	100NA 10	90 .001
	TIS38	PS 43	92	TII,TIL	35	32	4.0	.050	.200	A	125A		50.000	G	100NA 10	50 .001
	TIS39			SEE TIXS39												
	TIS44	NS 43	92	TIL	25	20R	3.0	.050	.250	A	125A		200.000	G	500NA 15	40 .010
	TIS45	NS 43	92	TIL	40	15	5.0	.200	.250	A	125A		300.000	G	50NA 20	60 .010
	TIS46	NS 43	92	TIL	40	15	5.0	.200	.250	A	125A		300.000	G	50NA 20	60 .010
	TIS47	NS 43	92	TIL	40	15	4.5	.200	.250	A	125A		400.000	G	400NA 20	36 .010
	TIS48	NS 43	92	TIL	40	15	4.5	.200	.250	A	125A		500.000	G	400NA 20	70 .010
	TIS49	NS 43	92	TIL	40	15	4.5	.200	.250	A	125A		500.000	G	3UA 20	60 .030
	TIS50	PS 43	92	TIL	12	12	4.0	.200	.250	A	125A		400.000	G	1UA 6	80 .030
	TIS51	NS 43	92	TIL	30	12	5.0	.200	.250	A	125A		400.000	G	400NA 20	60 .010
	TIS52	NS 43	92	TIL	40	20	5.0	.200	.250	A	125A		350.000	G	500NA 20	60 .030
	TIS53	PS 43	92	TIL	6	6	4.0	.080	.250	A	125J		500.000	G	10NA 3	60 .010
	TIS54	PS 43	92	TIL	12	12	4.0	.080	.250	A	125J		300.000	G	10NA 6	60 .010
	TIS55	NS 43	92	TIL	40	15	5.0	.200	.250	A	125J		350.000	G	500NA 20	60 .030

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						Frequency Response (MHz)	Condition	Cutoff		Gain	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C)	Cond.			h_{FE} @ I_C(A)	
	TIS56	NS 217	72	TII,TIL	30	20	3.0	.030	.200	A	175A		500.000	G	50NA 10	40 .004
	TIS57	NS 217	72	TII,TIL	30	20	3.0	.030	.200	A	175A		500.000	G	50NA 10	40 .004
	TIS60	NS 43	92	TIL	40	25	5.0	.400	.300	A						175 .050
	TIS60M	NS 43	92	TIL	40	25	5.0	.400	.300	A						175 .050
	TIS61	PS 43	92	TIL	40	25	5.0	.400	.300	A						175 .050
	TIS61M	PS 43	92	TIL	40	25	5.0	.400	.300	A						175 .050
	TIS62	NS 168 A		TII	30	12	3.0	.030	.200	A	125J		500.000	G	100NA 10	60 .004
	TIS63	NS 168 A		TII	30	12	3.0	.030	.200	A	125J		500.000	G	100NA 10	40 .004
	TIS64	NS 168 A		TII	30	12	3.0	.030	.200	A	125J		500.000	G	100NA 10	40 .004
-	TIS71	NS 907 A		TII	25	15	1.0	.050	.500	A	175J		2400.000	G	1UA 15	30 .015
-	TIS72	NS 907 A		TII	25	15	1.0	.050	.500	A	175J		2400.000	G	1UA 15	30 .015
-	TIS82	NS 211	5	TII	60	40	5.0	1.200	1.000	A	125J		250.000	G	500NA 40	50 1.000
-	TIS83	NS 43	92	TII	40	25	4.0	.050	.250	A	150J		600.000	G	100NA 15	60 .005
	TIS84	NS 168 A		TII	40	30	4.0	.050	.250	A	150S		350.000	G	50NA 10	45 .004
-	TIS85	NS 168 A		TII	40	30	4.0	.050	.250	A	150J		350.000	G	50NA 10	50 .004
-	TIS86	NS 168 A		TII	30	30	4.0	.050	.400	A	150J		500.000	G	100NA 15	90 .004
	TIS87	NS 168 A		TII	45	45	4.0	.050	.400	A	150J		500.000	G	100NA 15	68 .012
	TIS90	NS 43	92	TIL	40	40	5.0	.900	.625	A						175 .050
	TIS90M			M.P. TIS90												
	TIS91	PS 43	92	TIL	40	40	5.0	.900	.625	A						175 .050
	TIS91M			M.P. TIS91												
	TIS92-BLU	NS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	165 .050
	TIS92-GRN	NS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	133 .050
	TIS92-GRY	NS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	257 .050
	TIS92-VIO	NS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	200 .050
	TIS92-YEL	NS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	112 .050
	TIS93-BLU	PS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	165 .050
	TIS93-GRN	PS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	133 .050
	TIS93-GRY	PS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	257 .050
	TIS93-VIO	PS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	200 .050
	TIS93-YEL	PS 168 A		TII	40	40	5.0	.400	.625	A	150S		.500	G	100NA 20	112 .050
-	TIS94	NS 43	92	TII	60	40	6.0	.200	.360	A	150J		200.000	G	10UA 60	340 .001
-	TIS95	NS 43	92	TII	80	60	6.0	.200	.360	A	150J		200.000	G	10UA 80	200 .001
-	TIS96	NS 43	92	TII	80	65	6.0	.200	.360	A	150J		200.000	G	10UA 80	110 .100
	TIS97	NS 168 A		TII	60	40	6.0	.200	.360	A	150J		200.000	G	10UA 60	340 .001
	TIS98	NS 168 A		TII	80	60	6.0	.200	.360	A	150J		200.000	G	10UA 80	200 .001
	TIS99	NS 168 A		TII	80	65	6.0	.200	.360	A	150J		200.000	G	10UA 80	110 .100
	TIS100	NS 168 A		TII	180	180	5.0	.100	.625	A	150S		60.000	G	50NA 75	55 .025
	TIS101	NS 168 A		TII	150	150	5.0	.100	.625	A	150S		60.000	G	50NA 75	60 .025
	TIS108	NS 168 A		TII	40	30	4.0	.050	.250	A	150S		350.000	G	50NA 10	37 .004
	TIX210			SEE 2N3551												
	TIX211			SEE 2N3552												
-	TIX316	PG 217	72	TII	15	10	.3	.050	.075	A	100J		400.000	G	5UA 10	70
	TIX317			SEE 2N3601												
	TIX318			SEE 2N3603												
	TIX888			SEE 2N3554												
-	TIX3016	NS 909	50	TII	30	15	3.0	.050	.200	A	200C		990.000	G	10NA 6	110
-	TIX3016A	NS 907 A		TII	30	15	3.0	.050	.200	A	200C		1000.000	G	10NA 6	80 .005
-	TIX3024	PG 907 A		TII	15	7	.3	.050	.075	A	100A		990.000	G	6UA 10	130
-	TIX3032	PG 217	72	TII	25	15	.2	.100	.075	A	100C		500.000	G	10UA 15	120
	TIX3033			SEE 2N3418												
	TIX3034			SEE 2N3419												
	TIX3035			SEE 2N3420												
	TIX3036			SEE 2N3421												
-	TIXM01	PG 170 H		TII	20	10	.2	.030	.075	A	100A		355.000	G	10UA 10	40 .001
-	TIXM02	PG 170 H		TII	20	10	.2	.030	.075	A	100A		282.000	G	10UA 10	40 .001
-	TIXM03	PG 170 H		TII	20	10	.2	.030	.075	A	100A		316.000	G	10UA 10	20 .001
-	TIXM04	PG 170 H		TII	20	10	.2	.030	.075	A	100A		224.000	G	10UA 10	40 .001
-	TIXM05	PG 170 H		TII	20	10	.2	.030	.075	A	100A		450.000	G	10UA 10	40 .002
-	TIXM06	PG 170 H		TII	20	10	.2	.030	.075	A	100A		380.000	G	10UA 10	40 .002
-	TIXM07	PG 170 H		TII	20	10	.2	.030	.075	A	100A		315.000	G	10UA 10	20 .002
-	TIXM08	PG 170 H		TII	20	10	.2	.030	.075	A	100A		380.000	G	10UA 10	40 .002
-	TIXM10	PG 170 H		TII	18	12	.2	.050	.075	A	100A		630.000	G	10UA 10	42 .003
-	TIXM11	PG 170 H		TII	18	12	.2	.050	.075	A	100A		500.000	G	10UA 10	64 .003
-	TIXM13	PG 168 A		TII	15	7	.3	.030	.030	A	125J		1000.000	G		
-	TIXM14	PG 43	92	TII	20	16	.3	.050	.070	A	125J		120.000	G	5UA 6	80 .002
-	TIXM15	PG 43	92	TII	20	16	.3	.050	.070	A	125J		300.000	G	5UA 6	40 .002
-	TIXM16	PG 43	92	TII	20	16	.3	.050	.070	A	125J		110.000	G	5UA 6	40 .002
-	TIXM17	PG 43	92	TII	20	16	.3	.050	.070	A	125J		300.000	G	5UA 6	70 .002
-	TIXM18	PG 168 A		TII	18	12	.2	.050	.070	A	125J		900.000	G	5UA 10	90 .003
-	TIXM19	PG 168 A		TII	18	12	.2	.050	.070	A	125J		900.000	G	5UA 10	100 .003
	TIXM101	PG 217	72	TII	15	7	.3	.050	.075	A	100A		1500.000	G	6UA 10	80 .002
-	TIXM103	PG 917 A		TII	12	10	.3	.020	.040	A	100A		1800.000	G	6UA 9	100 .002
-	TIXM104	PG 917 A		TII	12	10	.3	.020	.040	A	100A		1400.000	G	6UA 9	100 .002
-	TIXM105	PG 917 A		TII	12	10	.3	.020	.040	A	100J		2200.000	G	6UA 9	72 .002
-	TIXM106	PG 916 B		TII	12	10	.3	.020	.040	A	100J		2200.000	G	6UA 9	72 .002
-	TIXM107	PG 916 B		TII	15	7	.3	.030	.030	A	125J		1500.000	G	6UA 10	53 .003
-	TIXM108	PG 916 B		TII	15	7	.3	.030	.030	A	125J		1500.000	G	6UA 10	53 .003
-	TIXM201	PG 80 A		TII	30	15	.5	.050	.075	A	100A		200.000	G	5UA 6	36 .002
-	TIXM202	PG 80 A		TII	30	15	.5	.050	.075	A	100A		220.000	G	5UA 6	36
-	TIXM203	PG 80 A		TII	30	15	.5	.050	.075	A	100A		150.000	G	5UA 6	20 .002
-	TIXM204	PG 80 A		TII	30	15	.5	.050	.075	A	100A		200.000	G	5UA 6	20
-	TIXM205	PG 80 A		TII	30	15	.5	.050	.075	A	100A		11.400	G	5UA 6	20
-	TIXM206	PG 80 A		TII	30	15	.5	.050	.075	A	100A		9.000	G	5UA 6	20
-	TIXM207	PG 80 A		TII	30	15	.5	.050	.075	A	100A		99.000	G	5UA 6	20 .002
-	TIXP07	PS 731	53	TII	100	80	8.0	7.500	50.000	C	175C		10.000	G	5UA 50	44 2.000
-	TIXS09	NS 907 A		TII	30	15	3.0	.050	.200	A	200C				10NA 6	70 .005
-	TIXS10	NS 907 A		TII	25	15	3.0	.050	.200	A	200C				10NA 6	100 .005
-	TIXS12	NS 950 A		TII	30	15	2.0	.200	1.000	A	200C		1400.000	G	500NA 15	80 .050
-	TIXS13	NS 950 A		TII	30	15	2.0	.200	1.000	A	200C		1200.000	G	500NA 15	80 .050
-	TIXS28	NS 43	92	TII	40	40	4.0	.030	.200	A	125A		630.000	G	100NA 20	60 .004
-	TIXS29	NS 43	92	TII	40	40	4.0	.030	.200	A	125A		500.000	G	100NA 20	60 .004
-	TIXS30	NS 43	92	TII	40	40	4.0	.030	.200	A	125A		500.000	G	100NA 20	60 .004
-	TIXS31	NS 43	92	TII	40	40	4.0	.030	.200	A	125A		500.000	G	100NA 20	60 .004
-	TIXS39	NS 211	5	TII	30	20	2.0	.200	.720	A	175C		600.000	G	500NA 15	80 .050
	TN53	NS 210	5	SPR	75	45	5.0	.800	.800	A	200J		100.000	G	10NA 60	100 .150
	TN54	NS 210	18	SPR	75	45	5.0	.800	.500	A	200J		100.000	G	10NA 60	100 .150
	TN55			SEE 2N4383												
	TN56			SEE 2N4384												
	TN57			SEE 2N4385												
	TN58			SEE 2N4386												
	TN59	NS 210	5	SPR	40	30	5.0	.800	.800	A	200J		100.000	G	20NA 30	200 .150
	TN60	NS 210	18	SPR	40	30	5.0	.800	.500	A	200J		100.000	G	20NA 30	200 .150
	TN61	NS 210	5	SPR	40	30	5.0	.800	.800	A	200J		100.000	G	20NA 30	100 .150
	TN62	NS 210	18	SPR	40	30	5.0	.800	.500	A	200J		100.000	G	20NA 30	100 .150
	TN63	NS 210	5	SPR	20	20	5.0	.800	.800	A	200J		100.000	G	100NA 20	50 .150
	TN64	NS 210	18	SPR	20	20	5.0	.800	.500	A	200J		100.000	G	100NA 20	50 .150
	TN79	NS 210	5	SPR	30	20	5.0		.800	A	200J		50.000	G	1NA 5	200 .010
	TN80	NS 210	18	SPR	30	20	5.0		.500	A	200J		50.000	G	1NA 5	200 .010
	TN81	NS 210	5	SPR	30	20	5.0		.800	A			200.000	G	100NA 30	50 .150
-	TN237	NS 210	5	SPR	35	30	5.0	.800	.800	A	200C		100.000	G	1UA 30	100 .150
	TN624	NS 211 B	5	SSP	100	60	5.0	3.000	.850	A	200J		40.000	G	100NA 60	90
	TN624-1	NS 211	5	SSP	100	60	5.0	3.000	.850	A	200J		40.000	G	100NA 60	90
	TN624-2	NS 581 B		SSP	100	60	5.0	3.000	5.000	H	200J		40.000	G	100NA 60	90
	TN624-3	NS 546 A		SSP	100	60	5.0	3.000	5.000	H	200J		40.000	G	100NA 60	90
	TP3638	PS 168 B		SPR		25			.360	A			100.000	G		45 .050
	TP3638A	PS 168 B		SPR		25			.360	A			150.000	G		150 .050
	TP4274	NS 168 B		SPR		12			.280	A			400.000	G		75 .010
	TP4275	NS 168 B		SPR		15			.280	A			400.000	G		75 .010
-	TQ53	PS 210	5	SPR	75	45	5.0	.600	.600	A	200J		100.000	G	10NA 60	100 .150
-	TQ53A	PS 210	5	SPR	80	75	5.0	.600	.600	A	200J		100.000	G	10NA 60	100 .150
-	TQ54	PS 210	18	SPR	75	45	5.0	.600	.400	A	200J		100.000	G	10NA 60	100 .150
-	TQ54A	PS 210	18	SPR	80	75	5.0	.600	.400	A	200J		100.000	G	10NA 60	100 .150
	TQ55			SEE 2N4412												
	TQ56			SEE 2N4413												
	TQ57			SEE 2N4414												
	TQ58			SEE 2N4415												
	TQ59	PS 210	5	SPR	40	30	5.0	.600	.600	A	200J		100.000	G	20NA 30	200 .150
-	TQ59A	PS 210	5	SPR	60	60	5.0	.600	.600	A	200J		100.000	G	10NA 60	200 .150

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C(A)	
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.						
	TQ60	PS 210	18	SPR	40	30	5.0	.600	.400	A	200J	100.000	G	20NA	30	200	.150
	-TQ60A	PS 210	18	SPR	60	60	5.0	.600	.400	A	200J	100.000	G	10NA	60	200	.150
	TQ61	PS 210	5	SPR	40	30	5.0	.600	.600	A	200J	100.000	G	20NA	30	100	.150
	-TQ61A	PS 210	5	SPR	60	60	5.0	.600	.600	A	200J	100.000	G	20NA	30	100	.150
	TQ62	PS 210	18	SPR	40	30	5.0	.600	.400	A	200J	100.000	G	20NA	30	100	.150
	-TQ62A	PS 210	18	SPR	60	60	5.0	.600	.400	A	200J	100.000	G	20NA	30	100	.150
	TQ63	PS 210	5	SPR	20	20	5.0	.600	.600	A	200J	100.000	G	100NA	20	50	.150
	-TQ63A	PS 210	5	SPR	30	30	5.0	.600	.600	A	200J	100.000	G	100NA	20	50	.150
	TQ64	PS 210	18	SPR	20	20	5.0	.600	.400	A	200J	100.000	G	100NA	20	50	.150
	-TQ64A	PS 210	18	SPR	30	30	5.0	.600	.400	A	200J	100.000	G	100NA	20	50	.150
	TR-01	PG 605	3	INR	70	50		7.000	85.000	A	110J	.600	G			70	
	TR-02	PG 605	3	INR	30	20		7.000	85.000	A	110J	.600	G			100	
	TR-03	PG 405	36	INR	50	40		15.000	150.000	A	110J	.600	G			75	
	TR-05	PG 210	5	INR	40	25		.200	.200	A	100J	4.000	G			120	
	TR-06	PG 210	5	INR	30	20		.200	.200	A	100J	4.000	G			40	
	TR-08	NG 210	5	INR	47	26		.300	.150	A	85J	25.000	G			70	
	TR-09	NG 210	5	INR	47	26		.300	.150	A	85J	25.000	G			70	
	TR-10	NG 210	5	INR	47	26		.300	.150	A	85J	25.000	G			70	
	TR-11	PG 120	1	INR	35	18		.005	.060	A	75J	7.000	B			65	
	TR-12	PG 120	1	INR	35	18		.010	.055	A	85J	40.000	B			80	
	TR-14	PG 120	1	INR	60	30		.150	.150	A	75J	1.000	B			140	
	TR-16	PG 605	3	INR	50	32		3.000	70.000	C	110J	.300	B			80	
	TR-17	PG 217	72	INR	25	20		.050	.100	A	100J	300.000	G			60	
	TR-19	PS 210	5	INR	25	25		.600	.600	A	200J	400.000	G			60	
	TR-20	PS 210	18	INR	25	25		.600	.400	A	200J	400.000	G			60	
	TR-21	NS 210	18	INR	25	15		.800	.500	A	175J	400.000	G			60	
	TR-22	NS 210	18	INR	25	20		.800	.500	A	175J	400.000	G			60	
	TR-23	NS 605	66	INR	375	350		3.000	20.000	C	175J	20.000	G			40	
	TR-24	NS 41	92	INR	40	25		.100	.310	A	135J	250.000	G			75	
	TR-25	NS 210	5	INR	65	50		.500	5.000	C	200J	100.000	G			50	
	TR-26	NS 605	3	INR	70	50		10.000	90.000	C	200J	7.000	G			40	
	TR-27	PG 605	3	INR	350	320		10.000	56.000	C	110J	1.000	G			40	
	TR-28	PS 210	5	INR	65	50		.500	5.000	C	200J	100.000	G			50	
	TR-29	PS 605	3	INR	70	50		10.000	90.000	C	200J	7.000	G			40	
	TR-30	PS 41	92	INR	40	25		.100	.310	A	135J	250.000	G			75	
	-TRS301	NS 210	5	ITC	300	300	6.0		.600	A	175J	50.000	G	2UA	200	60	
	-TRS350	NS 210	5	ITC	350	350S	6.0		.600	A	175J	50.000	G	2UA	250	60	
	-TRS401	NS 210	5	ITC	400	400S	6.0		.600	A	175J	50.000	G	2UA	300	60	
	-TRS450	NS 210	5	ITC	450	450S	6.0		.600	A	175J	50.000	G	2UA	350	60	
	-TRS501	NS 210	5	ITC	500	500S	6.0		.600	A	175J	50.000	G	2UA	350	60	
	-TRS550	NS 210	5	ITC	550	550S	6.0		.600	A	175J	50.000	G	10UA	450	60	
	-TRS601	NS 210	5	ITC	600	600S	6.0		.600	A	175J	50.000	G	10UA	500	60	
	-TRS701	NS 210	5	ITC	700	700S	6.0		.600	A	175J	40.000	G	10UA	550	50	
	-TRS750	NS 210	5	ITC	750	750S	6.0		.600	A	175J	40.000	G	10UA	575	50	
	-TRS801	NS 210	5	ITC	800	800S			.600	A	175J	40.000	G	10UA	600	50	
	-TRS3011	NS 210	46	ITC	300	300S	6.0		.300	A	175J	50.000	G	2UA	200	60	
	-TRS3012	NS 210	18	ITC	300	300S	6.0		.300	A	175J	50.000	G	2UA	200	60	
	-TRS3014	NS 210	5	ITC	300	300S	6.0		1.000	A	175J	50.000	G	2UA	200	60	
	-TRS3015	NS 635 B		ITC	300	300S	6.0		15.000	C	175J	50.000	G	2UA	200	60	
	-TRS3501	NS 210	46	ITC	350	350S	6.0		.300	A	175J	50.000	G	2UA	250	60	
	-TRS3502	NS 210	18	ITC	350	350S	6.0		.300	A	175J	50.000	G	2UA	250	60	
	-TRS3504	NS 210	5	ITC	350	350S	6.0		1.000	A	175J	50.000	G	2UA	250	60	
	-TRS3505	NS 635 B		ITC	350	350S	6.0		15.000	C	175J	50.000	G	2UA	250	60	
	-TRS4001	NS 210	46	ITC	400	400S	6.0		.300	A	175J	50.000	G	2UA	300	60	
	-TRS4002	NS 210	18	ITC	400	400S	6.0		.300	A	175J	50.000	G	2UA	300	60	
	-TRS4004	NS 210	5	ITC	400	400S	6.0		1.000	A	175J	50.000	G	2UA	300	60	
	-TRS4005	NS 635 B		ITC	400	400R	6.0		15.000	C	175J	50.000	G	2UA	300	60	
	-TRS4501	NS 210	46	ITC	450	450S	6.0		.300	A	175J	50.000	G	2UA	350	60	
	-TRS4502	NS 210	18	ITC	450	450S	6.0		.300	A	175J	50.000	G	2UA	350	60	
	-TRS4504	NS 210	5	ITC	450	450S	6.0		1.000	A	175J	50.000	G	2UA	350	60	
	-TRS4505	NS 635 B		ITC	450	450S	6.0		15.000	C	175J	50.000	G	2UA	350	60	
	-TRS5011	NS 210	46	ITC	500	500S	6.0		.300	A	175J	50.000	G	2UA	350	60	
	-TRS5012	NS 210	18	ITC	500	500S	6.0		.300	A	175J	50.000	G	2UA	350	60	
	-TRS5014	NS 210	5	ITC	500	500S	6.0		1.000	A	175J	50.000	G	2UA	350	60	
	-TRS5501	NS 210	46	ITC	550	550R	6.0		.300	A	175J	50.000	G	10UA	450	60	
	-TRS5502	NS 210	18	ITC	550	550S	6.0		.300	A	175J	50.000	G	11UA	450	60	
	-TRS5504	NS 210	5	ITC	550	550S	6.0		1.000	A	175J	50.000	G	10UA	450	60	
	-TRS6011	NS 210	46	ITC	600	600S	6.0		.300	A	175J	50.000	G	10UA	500	60	
	-TRS6012	NS 210	18	ITC	600	600S	6.0		.300	A	175J	50.000	G	11UA	500	60	
	-TRS6014	NS 210	5	ITC	600	600S	6.0		1.000	A	175J	50.000	G	10UA	500	60	
	-TRS7014	NS 210	5	ITC	700	700S	6.0		1.000	A	175J	40.000	G	10UA	550	50	
	-TRS7015	NS 635 B		ITC	700	700S	6.0		15.000	C	175J	40.000	G	10UA	550	50	
	-TRS7504	NS 210	5	ITC	750	750S	6.0		1.000	A	175J	40.000	G	10UA	575	50	
	-TRS7505	NS 635 B		ITC	750	750R	6.0		15.000	C	175J	40.000	G	10UA	575	50	
	-TRS8014	NS 210	5	ITC	800	800S	6.0		1.000	A	175J	40.000	G	10UA	600	50	
	-TRS8015	NS 635 B		ITC	800	800S	6.0		15.000	C	175J	40.000	G	10UA	600	50	
	-TS173	PG 605	3	TSE	30			2.000	16.000	C	85J	.006	E	1MA	25	50	
	-TS601	PG 212	5	TSE	12	9S	5.0	.400	.200	A	102J	AUD		20UA	9	30	
	-TS602	PG 212	5	TSE	12	9S	5.0	.400	.200	A	100J	AUD		20UA	9	90	
	-TS603	PG 212	5	TSE	20	18S	5.0	.400	.200	A	100J	AUD		20UA	9	30	
	-TS604	PG 212	5	TSE	20	18	5.0	.400	.200	A	100J	AUD		20UA	9	90	
	-TS612	PG 605	3	TSE	40	20		2.000	16.000	A	85J	.007	E	300UA	25	30	
	-TS613	PG 605	3	TSE	80	40		2.000	16.000	A	85J	.007	E	300UA	25	30	
	-TS615	PG 10 F		TSE	45			.050	.170	A	85J	1.000	B	15UA	45	25	
	-TS616	PG 170 E		TSE	25			.200	.300	A	85J	AUD	-	20UA	20	30	
	-TS617	PG 170 E		TSE	25			.200	.300	A	85J	AUD	-	20UA	20	50	
	-TS618	PG 170 E		TSE	25			.200	.300	A	85J	AUD	-	20UA	20	70	
	-TS619	PG 10 F		TSE	25			.050	.170	A	85J	1.000	B	20UA	20	55	
	-TS620	PG 10 F		TSE	25			.050	.170	A	85J	1.000	B	15UA	25	55	
	-TS621	PG 10 F		TSE	25			.050	.170	A	85J	1.000	B	15UA	25	100	
	-TS630	PG 10 F		TSE	45			.050	.170	A	85J	1.000	B	15UA	45	50	
	TV1000	PG 250 A		SEM	15	15	2.0	.100	.100	A		1000.000	G			100	
	TW135	PS 210	18	SPR	30		15.0	.100	.400	A	200J	10.000	G	1NA	30	50	
	TZ81	NS 45	98	SPR		30			.360	A		30.000	G			225	.001
	TZ82	NS 45	98	SPR		30			.360	A		30.000	G			165	.001
	TZ551	PS 45	98	SPR		30			.360	A		150.000	G			70	.150
	TZ552	PS 45	98	SPR		30			.360	A		150.000	G			175	.150
	TZ553	PS 45	98	SPR		30			.360	A		150.000	G			300	.150
	TZ554	PS 45	98	SPR		30			.360	A		150.000	G			140	.150
	TZ581	PS 45	98	SPR		30			.360	A		20.000	G			225	.001
	TZ582	PS 45	98	SPR		30			.360	A		20.000	G			165	.001
	V415			SEE 2N5762													
	V417			SEE 2N5761													
	V575			SEE RF POWER SECTION													
	V643			SEE RF POWER SECTION													
	-WX118UA	NS 412	82	WHE	50	50	15.0	10.000	100.000	H	150J	.010	E	1MA	50	360	
	-WX118UB	NS 412	82	WHE	100	100	15.0	10.000	100.000	H	150J	.010	E	1MA	50	360	
	-WX118UC	NS 412	82	WHE	150	150	15.0	10.000	100.000	H	150J	.010	E	1MA	50	360	
	-WX118XA	NS 412	82	WHE	50	50	15.0	10.000	100.000	H	150J	.017	E	1MA	50	660	
	-WX118XB	NS 412	82	WHE	100	100	15.0	10.000	100.000	H	150J	.007	E	1MA	50	660	
	-WX118XC	NS 412	82	WHE	150	150	15.0	10.000	100.000	H	150J	.007	E	1MA	50	660	
	-XA101	PG 31 A		AEI	20	16	12.0		.110	A	65J	5.000	B			35	
	-XA102	PG 31 A		AEI	20	16	12.0		.120	A	65J	8.000	B			60	
	-XA111	PG 169 B		AEI	20	16	12.0		.120	A	65J	5.000	B			35	
	-XA112	PG 169 B		AEI	20	16	12.0		.120	A	65J	8.000	B			60	
	-XA123	PG 75	45	AEI	20		.5		.080	A	85J	30.000	B			60	
	-XA124	PG 75	45	AEI	20		.5		.080	A	85J	30.000	B			60	
	-XA126	PG 75	45	AEI	20		1.5		.080	A	85J	30.000	B			60	
	-XA131	PG 128	44	AEI	30		.5		.125	A	85J	100.000	B			60	
	-XA141	PG 210	5	AEI	30		2.0		.120	A	71A	30.000	G			45	
	-XA142	PG 210	5	AEI	30		2.0		.120	A	71A	30.000	G			45	
	-XA143	PG 210	5	AEI	30		2.0		.120	A	71A	30.000	G			45	
	-XB102	PG 31 A		AEI	35	35R	12.0		.150	A	75J	AUD				30	
	-XB112	PG 169 B		AEI	35	35R	12.0		.150	A	75J	AUD				30	
	-XB113	PG 169 B		AEI	35	35R	12.0		.150	A	75J	AUD				66	
	XB401			SEE RF POWER SECTION													
	XB404			SEE RF POWER SECTION													
	XB408			SEE RF POWER SECTION													
	XB433			SEE RF POWER SECTION													

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS							Frequency Response (MHz)	Condition	Cutoff I_{CBO} @ V_{CB}	Gain h_{FE} @ I_C(A)
					V_{CB}	V_{CE-}	V_{EB}	Collector Current (A)	Power (W)	Cond.	Temp. (°C) Cond.				
	XB434			SEE RF POWER SECTION											
	XB435			SEE RF POWER SECTION											
	XB436			SEE RF POWER SECTION											
	XB437			SEE RF POWER SECTION											
	XB473			SEE RF POWER SECTION											
	XB474			SEE RF POWER SECTION											
	XB475			SEE RF POWER SECTION											
	XB476			SEE RF POWER SECTION											
-	XC121	PG 169 B		AEI	35	35R	12.0		.250	A	75J	AUD			74
	XC131			M.P.XC121											
-	XC141	PG 605	3	AEI	40	40	12.0	3.000	65.000	C	90J	AUD			60
-	XC142	PG 605	3	AEI	60	40	12.0	3.000	65.000	C	90J	AUD			60
-	XC155	PG 605	3	AEI	80	50	60.0	10.000	40.000	C	90J	.650	B		65
-	XC156	PG 605	3	AEI	100	65	60.0	10.000	40.000	C	90J	.650	B		65

KEY TO MANUFACTURERS

AEI—Associated Electrical Industries (England)
AMC—Amelco Semiconductor Division, Teledyne, Inc.
AMF—American Machine & Foundry Co., Leland Airborne Products Div.
AMP—Amperex Electronics Corp.
BEN—Bendix Corp., Semiconductor Div.
CBS—CBS Electronics
CLE—Clevite Transistor Corp.
CRY—Crystalonics
CSF—Compagnie Generale de T.S.F. (France)
DEL—Delco Radio Div., General Motors Corp.
EBA—Ebauches S.A. (Switzerland)
ETC—Electronics Transistor Corp.
FSC—Fairchild Semiconductor Div., Fairchild Camera and Instrument Corp.
GEC—General Electric Co., Semiconductor Products Dept.
GIC—General Instrument Corp., Semiconductor Products Group
GTC—General Transistor Corp.
HIT—Hitachi Ltd. (Japan)
HUG—Hughes Aircraft Co., Microelectronics Div.
IMG—Intermetall (Germany)
INR—International Rectifier
ITC—Industro Transistor Corp.
ITT—ITT Semiconductors
KEL—Kyodo Electronic Laboratories, Inc. (Japan)
KER—Kertron, Inc.
KSC—KSC Semiconductor Corp.
MAT—Matsushita Electronics Corp. (Japan)
MHR—Honeywell, Military Products Group
MOT—Motorola Semiconductor Products, Inc.
MUL—Mullard Overseas Ltd. (England)
NEC—Nippon Electric Co. Ltd. (Japan)
NKT—Newmarket Transistors Ltd. (England)
NSC—National Semiconductor Corp.
OKI—OKI Electric Industry Co., Ltd. (Japan)
PHF—Philco-Ford Corp.
PHL—Philco
PHN—Philips Gloeamperfabrieken (Netherlands)
RAD—La Radiotechnique (France)
RAY—Raytheon Co., Semiconductor Div.
RCA—Radio Corporation of America, Electronic Components & Devices
SAN—Tokyo Sanyo Electric Co., Ltd. (Japan)
SEJ—Shindengen Electric Manufacturing Co., Ltd. (Japan)
SEM—Semitronics Corp.
SEN—Sensitron Semiconductor
SES—Societe Europienne des Semiconducteurs (France)
SIH—Siemens and Halske Aktiengesellschaft (Germany)
SOL—Solitron Devices, Inc.
SON—Sony Corp. (Japan)
SPC—Solid Power Corp.
SPR—Sprague Products Co.
SSD—Sperry Semiconductor
SSP—Solid State Products, Inc.
STC—Silicon Transistor Corp.
SYL—Sylvania Electric Products Inc., Semiconductor Div.
TAD—Tadiran (Israel)
TEC—Transitron Electronic Corp.
TFK—Telefunken Gmbh. (Germany)
TII—Texas Instruments, Inc.
TIL—Texas Instruments Ltd. (England)
TOS—Toshiba America, Inc.
TRW—TRW Semiconductors, Inc.
TSE—Tung-Sol Electric, Inc.
WHE—Westinghouse Electric Corp., Semiconductor Div.
WTV—Workman Electronic Products, Inc.

RF POWER TRANSISTORS

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS					RF OPERATION				η (%)	Cutoff
					Power	V_{CB}	V_{CE-}	V_{EB}	Temp. (°C) Cond.	G_{pe}	P_{OUT}	Freq.	V_{CC}		I_{CBO} @ V_{CB}

- = Obsolete

N = NPN P = PNP
G = Germanium
S = Silicon

Numbers = Lead and Terminal Identification Page 153.

If no JEDEC is shown, dimensions are found in Transistor Outlines Page 138, using numbers plus the letter.

TO numbers refer to Registered Transistor Outlines Page 98

Key to Manufacturers Page 160

Maximum power that can be dissipated at 25°C case temperature.

Maximum voltages that cannot be exceeded without permanent damage to the transistor.

Current between collector and base with emitter open, at voltage shown.
MA = milliamperes
UA = microamperes
NA = nanoamperes

Collector efficiency (n_c) is for the conditions shown under RF operation.

Operating characteristics at 25°C case temperature. Design gain G_{pe} produces output power P_{out} in circuit operating at the indicated frequency (Freq) and using collector voltage supply V_{CC}.

Maximum operating temperature (°C)
Conditions:
A = Ambient
C = Case
J = Junction

V_{CB} = Collector-to-base voltage with emitter open.

V_{CD} = Collector-to-emitter voltage (base open, if no subscript indicated).

R = Resistor between emitter and base.
S = Short between emitter and base.
X = B-E junction forward biased.

V_{EB} = Emitter-to-base reverse voltage with collector open.

RF POWER TRANSISTORS

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS						RF OPERATION				η (%)	Cutoff I_{CBO} @ V_{CB}	
					Power	V_{CB}	V_{CE}	V_{EB}	Temp. (°C)	Cond.	G_{pe}	P_{OUT}	Freq.	V_{CC}			
	2N1505	NS 211	05	TRW,HUG	3.0W	50V	20V	3.0V	175	C	7.0DB	1.0W	70MHZ	28V	36	50UA	28V
	2N1506	NS 211	05	SOL,TRW,HUG	3.0W	60V	20V	4.0V	175	C	9.0DB	1.0W	70MHZ	28V	36	10UA	28V
	2N1506A	NS 211	05	SOL,TRW,HUG	3.5W	80V	50V	5.0V	200	J	10.0DB	1.3W	70MHZ	28V	46	50NA	28V
	2N1709	NS 171	08	TRW	13.0W	75V	30V	4.0V	175	C	10.0DB	5.0W	30MHZ	28V	50	10UA	28V
	2N1710	NS 171	08	TRW	13.0W	60V	30V	3.0V	175	C	8.0DB	5.0W	30MHZ	28V		50UA	28V
	2N2095	PG 171	31	HUG	1.0W	30V	15V	1.0V	100	C	6.0DB	.5W	160MHZ	16V			
	2N2098	PG 171	09	HUG	1.0W	30V	15V	1.0V	100	C	6.0DB	.5W	160MHZ	15V			
	2N2631	NS 211	39	RCA	8.8W	80V	60V	4.0V	200	C	4.8DB	3.0W	150MHZ	28V	70	100NA	30V
	2N2781	NS 171	08	TRW	13.0W	75V	30V	5.0V	175	C	12.5DB	5.0W	30MHZ	28V	50	500UA	28V
	2N2782	NS 171	08	TRW	13.0W	100V	40V	5.0V	175	C	12.5DB	5.0W	30MHZ	28V	50	500UA	28V
	2N2783	NS 171	08	TRW	13.0W	100V	40V	5.0V	175	C	12.5DB	5.0W	30MHZ	28V	50	10UA	28V
	2N2874	NS 171	08	TRW	15.0W	75V	40V	4.0V	175	C	10.0DB	3.0W	70MHZ	28V	40	10UA	28V
	2N2876	NS 540	60	RCA	17.5W	80V	60V	4.0V	200	C	4.8DB	3.0W	150MHZ	28V	40	100NA	30V
	2N2887	NS 540	60	TRW	25.0W	100V	80V	4.0V	200	C	9.0DB	10.0W	100MHZ	45V	50	500UA	28V
	2N3118	NS 211	05	RCA,HUG	4.0W	85V	60V	4.0V	200	C	10.0DB	1.0W	50MHZ	28V	45	100NA	30V
	2N3229	NS 540	60	RCA	17.5W	105V	60V	4.0V	200	J	8.8DB	15.0W	50MHZ	50V		100NA	30V
	2N3375	NS 540	60	MOT,RCA,ITT,FSC,NSC,TII	11.6W	65V	40V	4.0V	200	J	13.7DB	3.0W		28V	70	1MA	65V
	2N3543	NS 605	03	HUG,KER	60.0W	65V	60V	4.0V	175	J	8.0DB	20.0W	30MHZ	28V	50	10UA	50V
	2N3553	NS 211	39	RCA,MOT,ITT,NSC,TII,AMP	7.0W	65V	40V	4.0V	200	J	14.0DB	2.5W	175MHZ	28V	50	1MA	65V
	2N3632	NS 540	60	MOT,RCA,ITT,NSC,TII,AMP	23.0W	65V	40V	4.0V	200	J	8.6DB	13.5W	175MHZ	28V	70	500UA	65V
	2N3664	NS 546	102	MOT	5.0W	60V	40V	4.0V	200	J	7.4DB	3.0W	250MHZ	25V	50	10UA	50V
	2N3733	NS 540	60	RCA,MOT,ITT,RAY,IMH,TIL	23.0W	65V	40V	4.0V	200	C	4.0DB	10.0W	400MHZ	28V	45	500UA	65V
	2N3866	NS 211	39	RCA,MOT,ITT,NSC,TII,IMH	5.0W	55V	30V	3.5V	200	C	10.0DB	1.0W	400MHZ	28V	45	100UA	55V
	2N3924	NS 211	39	MOT,AMP,SOL	7.0W	36V	18V	4.0V	200	C	6.0DB	4.0W	175MHZ	14V	70	100UA	15V
	2N3925	NS 540	102	MOT	10.0W	36V	18V	4.0V	200	C	5.8DB	5.5W	175MHZ	14V	70	100UA	15V
	2N3926	NS 543	60	MOT,AMP,SOL	11.6W	36V	18V	4.0V	200	C	5.4DB	7.0W	175MHZ	14V	70	100UA	15V
	2N3927	NS 543	60	MOT,AMP,SOL	23.2W	36V	18V	4.0V	200	C	4.8DB	12.0W	175MHZ	14V	80	250UA	15V
	2N3948	NS 210	39	MOT	5.0W	36V	20V	3.5V	200	C	6.0DB	1.0W	400MHZ	14V	45	100NA	15V
	2N3950	NS 543	60	MOT	70.0W	65V	35V	4.0V	200	J	8.0DB	50.0W	50MHZ	28V	60	10MA	65V
	2N3961	NS 540	102	MOT	10.0W	65V	40V	4.0V	200	C	9.0DB	4.0W	175MHZ	28V	60	1MA	65V
	2N4012	NS 540	60	MOT,RCA,ITT,IMH	11.6W	65V	40V	4.0V	200	J	4.0DB	2.5W	1002MHZ	28V	25	1MA	65V
	2N4040	NS 962	117	TRW,TII,SOL,TIL	17.5W	60V	40V	4.0V	200	C	4.3DB	8.0W	400MHZ	28V	50	200UA	30V
	2N4041	NS 962	117	TRW,TII,SOL,TIL	10.0W	60V	40V	4.0V	200	C	5.2DB	3.3W	400MHZ	28V	50	200UA	30V
	2N4127	NS 962	117	TRW,TIL,SOL	25.0W	60V	40V	4.0V	200	C	7.3DB	13.5W	175MHZ	25V	60	500UA	30V
	2N4128	NS 962	117	TRW,TIL,SOL	40.0W	60V	40V	4.0V	200	C	6.0DB	24.0W	175MHZ	25V	65	500UA	30V
	2N4130	NS 605	03	HUG,KER,SOL	120.0W	80V	65V	4.0V	175	J	8.0DB	50.0W	70MHZ	28V	50	20UA	80V
	2N4131	NS 605	03	HUG,KER	60.0W	90V	80V	4.0V	175	J	11.7DB	30.0W	70MHZ	40V	50	10UA	80V
	2N4132	NS 632	37	HUG,KER	7.5W	90V	80V	5.0V	175	J	10.9DB	5.0W	70MHZ	40V	50	10UA	80V
	2N4133	NS 213	05	HUG,KER	3.0W	90V	80V	5.0V	175	J	13.0DB	1.0W	70MHZ	28V	50	10UA	80V
	2N4350	NS 211	05	HUG	7.0W	65V	40V	4.0V	200	C	7.8DB	1.5W	200MHZ	28V			
	2N4427	NS 211	39	RCA,ITT,AMP,MOT,IMH,HUG	2.0W	40V	20V	2.0V	200	C	10.0DB	1.0W	175MHZ	12V	50	1MA	40V
	2N4428	NS 211	39	TRW,MOT,SOL	3.5W	55V	35V	3.5V	200	J	10.0DB	.8W	500MHZ	28V	35	1MA	55V
	2N4429	NS 962	117	TRW,TIL,SOL	5.0W	55V	35V	3.5V	200	J	5.2DB	1.0W	1000MHZ	28V	35	1MA	55V
	2N4430	NS 959	129	TRW,TIL,SOL	10.0W	55V	40V	3.5V	200	J	5.0DB	2.5W	1000MHZ	28V	35	2MA	55V
	2N4431	NS 959	129	TRW,TIL,SOL	18.0W	55V	40V	3.5V	200	J	5.0DB	5.0W	1000MHZ	28V	35	4MA	55V
	2N4440	NS 540	60	RCA,RAY,IMH,SOL	11.6W	65V	40V	4.0V	200	C	5.0DB	5.0W	400MHZ	28V	45	1MA	65V
	2N4874	NS 211	39	FSC	6.0W	30V	20V	2.0V	200	C	10.0DB	1.0W	400MHZ	20V		500NA	15V
	2N4875	NS 211	39	FSC	6.0W	40V	25V	2.0V	200	C	9.5DB	.9W	400MHZ	20V		500NA	15V
	2N4876	NS 211	39	FSC	6.0W	40V	30V	2.0V	200	C	8.5DB	.7W	400MHZ	20V		500NA	15V
	2N4932	NS 543	60	RCA	70.0W	50V	25V	4.0V	200	C	5.4DB	12.0W	70MHZ	14V	70	5MA	45V
	2N4933	NS 543	60	RCA,SOL	70.0W	70V	35V	4.0V	200	C	7.6DB	20.0W	70MHZ	24V	70	5MA	65V
	2N5016	NS 543	60	RCA,RAY,TIL,SOL	30.0W	65V	30V	4.0V	200	C	4.8DB	15.0W	400MHZ	28V	50	10MA	60V
	2N5025	NS 543	60	FSC	45.0W	75V	75V	4.5V	200	J	7.6DB	20.0W	50MHZ	14V	65	10UA	60V
	2N5026	NS 543	60	FSC	45.0W	90V	90V	4.5V	200	J	10.0DB	25.0W	80MHZ	28V	65	10UA	50V
	2N5070	NS 543	60	RCA,SOL,MOT	70.0W	65V	30V	4.0V	200	C	13.0DB	25.0W	30MHZ	24V	40	10MA	60V
	2N5071	NS 543	60	RCA,SOL	70.0W	65V	30V	4.0V	200	C	9.0DB	24.0W	76MHZ	24V	60	10MA	60V
	2N5090	NS 543	60	RCA,SOL	5.0W	55V	30V	3.5V	200	J	7.8DB	1.2W	400MHZ	28V	45	1MA	55V
	2N5102	NS 543	60	RCA,SOL	70.0W	90V	50V R	4.0V	200	C	4.0DB	15.0W	136MHZ	24V	70	20MA	83V
	2N5108	NS 211	39	RCA,RAY,MOT,SOL	3.5W	55V	55V R	3.0V	200	C	5.0DB	1.0W	1000MHZ	28V	35	1MA	50V
	2N5108A	NS 211	39		3.5W	55V	55V	3.0V	200	C	5.0DB	1.0W	1000MHZ	28V	35	10NA	50V
	2N5109	NS 211	39	RCA,SOL	2.5W	40V	20V	3.0V	200	C	11.0DB	1.3W	200MHZ	15V	09	5MA	35V
	2N5160	PS 211	39	MOT	5.0W	60V	40V	4.0V	200	C	8.0DB	1.0W	400MHZ	28V	45	1UA	28V
	2N5161	PS 543	60	MOT	20.0W	60V	40V	4.0V	200	C	8.8DB	7.5W	175MHZ	28V	45	100UA	28V
	2N5162	PS 543	60	MOT	50.0W	60V	40V	4.0V	200	C	6.9DB	30.0W	175MHZ	28V	55	100UA	28V
	2N5214	NS 960 B		KER	60.0W	95V	95V	4.0V	200	C	7.0DB	50.0W	150MHZ	40V	63	1MA	80V
	2N5215	NS 543	60	KER	23.0W	70V	70V	4.0V	200	C	5.0DB	10.0W	200MHZ	28V	65	500UA	65V
	2N5216	NS 960 A		KER	25.0W	80V	80V	4.0V	200	C	4.0DB	15.0W	400MHZ	40V	50	100UA	70V
	2N5217	NS 960 A		KER	7.5W	80V	80V	4.0V	200	C	7.0DB	4.0W	400MHZ	40V	40	100UA	70V
	2N5421	NS 211	39	SOL	3.0W	36V	18V	4.0V	200	C	9.0DB	1.0W	175MHZ	14V	55	1UA	18V
	2N5422	NS 211	39		5.0W	36V	18V	4.0V	200	C	8.0DB	2.0W	175MHZ	14V	70	1UA	18V
	2N5423	NS 543	60	SOL	12.0W	36V	18V	4.0V	200	C	6.0DB	5.0W	175MHZ	14V	70	1UA	18V
	2N5424	NS 543	60	SOL	20.0W	36V	18V	4.0V	200	C	5.0DB	13.1W	175MHZ	14V	70	1UA	18V
	2N5424A	NS 543	60		20.0W	36V	18V	4.0V	200	C	5.0DB	13.0W	175MHZ	14V	70	1UA	18V
	2N5470 A			RCA	3.5W	55V	55V R	3.5V	200	C	5.0DB	1.0W	2000MHZ	28V		1MA	50V
	2N5481	NS 962 B			3.0W	50V	30V	3.0V	200	C	6.0DB	1.0W	2000MHZ	28V	25	2MA	50V
	2N5482	NS 962 B			10.0W	50V	30V	3.0V	200	C	5.0DB	2.5W	2000MHZ	28V	30	3MA	50V
	2N5483	NS 962 B			20.0W	45V	30V	3.0V	200	C	4.0DB	5.0W	2000MHZ	28V	30	6MA	45V
	2N5589	NS 962 A		MOT	15.0W	36V	18V	4.0V	200	C	8.2DB	3.0W	175MHZ	14V	50	1MA	15V
	2N5590	NS 964 C		MOT	30.0W	36V	18V	4.0V	200	C	5.2DB	10.0W	175MHZ	14V	50	1MA	15V
	2N5591	NS 964 C		MOT,SOL	70.0W	36V	18V	4.0V	200	C	4.4DB	25.0W	175MHZ	14V	50	1MA	15V
	2N5595	NS 962 B		TRW	20.0W	55V	30V	3.5V	200	C	6.0DB	10.0W	1000MHZ	28V	60	5MA	50V
	2N5596	NS 962 B			40.0W	55V	30V	3.5V	200	C	5.0DB	20.0W	1000MHZ	28V	60	5MA	50V
	2N5635	NS 962 A		MOT	7.5W	60V	35V	4.0V	200	C	6.2DB	2.5W	400MHZ	28V	50	100UA	30V
	2N5636	NS 962 A		MOT	15.0W	60V	35V	4.0V	200	C	5.7DB	7.5W	400MHZ	28V	50	1MA	30V
	2N5637	NS 964 C		MOT	30.0W	60V	35V	4.0V	200	C	4.6DB	20.0W	400MHZ	28V	60	1MA	30V
	2N5641	NS 962 A		MOT,SOL	15.0W	65V	35V	4.0V	200	C	8.4DB	7.0W	175MHZ	28V	60	1MA	30V
	2N5642	NS 964 C		MOT,SOL	30.0W	65V	35V	4.0V	200	C	8.2DB	20.0W	175MHZ	28V	60	1MA	30V
	2N5643	NS 964 C		MOT,SOL	60.0W	65V	35V	4.0V	200	C	7.6DB	40.0W	175MHZ	28V	60	1MA	30V
	2N5644	NS 964 B		MOT	3.5W	36V	18V	4.0V	200	C	7.0DB	1.0W	470MHZ	13V	60	100UA	15V
	2N5645	NS 964 B		MOT	12.0W	36V	18V	4.0V	200	C	6.0DB	4.0W	470MHZ	13V	60	500UA	15V
	2N5646	NS 964 B		MOT	30.0W	36V	18V	4.0V	200	C	4.7DB	12.0W	470MHZ	13V	60	1MA	15V
	2N5687	NS 211	39	TRW	5.0W	40V	20V	3.0V	200	C	12.0DB	1.5W	50MHZ	13V	65	1MA	10V
	2N5688	NS 962	117	TRW	10.0W	40V	20V	3.0V	200	C	13.0DB	5.0W	50MHZ	13V	65	1MA	10V
	2N5689	NS 962	117	TRW	25.0W	60V	40V	3.0V	200	C	10.0DB	10.0W	50MHZ	13V	60	1MA	10V
	2N5690	NS 962	128	TRW	50.0W	50V	30V	4.0V	200	C	10.0DB	25.0W	50MHZ	13V	60	1MA	10V
	2N5691	NS 655 A		TRW	88.0W	50V	30V	4.0V	200	C	8.0DB	40.0W	50MHZ	13V	60	1MA	10V
	2N5697	NS 211	39	TRW	3.5W	40V	18V	3.0V	200	C	7.0DB	.3W	470MHZ	13V	60	1MA	10V
	2N5698	NS 961	131	TRW	5.0W	40V	18V	3.0V	200	C	6.0DB	1.0W	470MHZ	13V	60	1MA	10V
	2N5699	NS 964	129	TRW	10.0W	40V	18V	3.0V	200	C	5.5DB	3.5W	470MHZ	13V	60	2MA	10V
	2N5700	NS 964	129	TRW	35.0W	40V	18V	3.0V	200	C	5.0DB	11.0W	470MHZ	13V	60	2MA	10V
	2N5701	NS 964	129	TRW	35.0W	40V	18V	3.0V	200	C	5.0DB	20.0W	470MHZ	13V	60	3MA	10V
	2N5702	NS 211	39	TRW	.8W	36V	18V	3.0V	200	C	6.0DB	1.5W	175MHZ	13V	60	1MA	10V
	2N5703	NS 962	117	TRW	10.0W	36V	18V	3.0V	200	C	8.0DB	3.0W	175MHZ	13V	60	1MA	10V
	2N5704	NS 962	117	TRW	25.0W	36V	18V	3.0V	200	C	5.0DB	12.0W	175MHZ	13V	60	1MA	10V
	2N5705	NS 962	128	TRW	44.0W	36V	18V	3.0V	200	C	4.0DB	25.0W	175MHZ	13V	60	2MA	10V
	2N5706	NS 655 A		TRW	80.0W	36V	18V	3.0V	200	C	4.0DB	40.0W	175MHZ	13V	60	3MA	10V
	2N5707	NS 962	128		70.0W	70V	50V	4.0V	200	J	14.0DB	10.0W	28MHZ	28V	27	5MA	55V
	2N5708	NS 962	128		100.0W	70V	50V	4.0V	200	J	13.0DB	20.0W	28MHZ	28V	35	5MA	55V
	2N5709	NS 655 A			140.0W	70V	50V	4.0V	200	J	13.0DB	40.0W	28MHZ	28V	40	10MA	55V
	2N5710	NS 211	39	TRW	3.5W	40V	20V	3.0V	200	C	11.0DB	.3W	150MHZ	13V	60	100UA	5V
	2N5711	NS 962	117	TRW	10.0W	60V	36V	3.0V	200	C	10.0DB	1.5W	150MHZ	13V	60	200UA	10V
	2N5712	NS 962	117	TRW	25.0W	60V	40V	4.0V	200	C	6.0DB	5.0W	150MHZ	13V	60	300UA	10V
	2N5713	NS 962	128	TRW	45.0W	60V	40V	4.0V	200	C	5.0DB	11.0W	150MHZ	13V	60	500UA	10V
	2N5714	NS 650 A		TRW	70.0W	60V	40V	4.0V	200	C	5.0DB	20.0W	150MHZ	13V	60	1MA	10V
	2N5715	NS 963 A			6.0W	50V	30V	3.5V	200	C	9.0DB	.3W	2000MHZ	28V	15	500UA	45V
	2N5761	NS 965 A			.2W	20V	15V	3.0V	150	C	3.0DB		4000MHZ	10V		500NA	10V
	2N5762	NS 965 A			.3W	20V	20V	1.5V	150	C	7.0DB		2000MHZ	10V		500NA	10V
	2N5764	NS 962 D			10.0W	55V	25V	3.5V	200	C	6.0DB	2.5W	1000MHZ	28V	40	5MA	28V
	2N5765	NS 962 D			19.0W	55V	25V	3.5V	200	C	6.0DB	5.0W	1000MHZ	28V	40	8MA	28V
	2N5766	NS 962 D			5.0W	55V	25V	3.5V	200	C	8.0DB	1.0W	2000MHZ	28V	30	3MA	28V
	2N5767	NS 962 D			10.0W	55V	25V	3.5V	200	C	8.0DB	2.5W	2000MHZ	28V	30	5MA	28V
	2N5768	NS 962 D			20.0W	55V	25V	3.5V	200	C	6.0DB	5.0W	2000MHZ	28V	33	10MA	28V
	2N5834	PS 210	39		5.0W	60V	40V	4.0V	200	C	10.0DB	2.5W	175MHZ	28V	50		
	2N5846	NS 546	102	MOT	10.0W	36V	18V	4.0V	200	C	10.0DB	3.5W	50MHZ	13V	50	500UA	15V
	2N5847 C	NS 964 C		MOT	20.0W	36V	18V	4.0V	200	C	10.0DB	8.0W	50MHZ	13V	50	1MA	15V
	2N5848	NS 964 C		MOT	50.0W	48V	24V	4.0V	200	S	8.0DB	20.0W	50MHZ	13V	50	1MA	15V
	2N5862	NS 964 D		MOT	80.0W	65V	35V	4.0V	200	J	5.0DB	75.0W	150MHZ	14V	60	2MA	30V
	2N5913	NS 211	39	RCA	3.5W	36V	14V	3.5V	200	C	12.4DB	1.8W	175MHZ	13V	50	1MA	13V
	2N5914	NS 966 A		RCA	5.7W	36V	14V	3.5V	200	C	7.0DB	2.0W	470MHZ	13V	65	1MA	13V

RF POWER TRANSISTORS

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS					RF OPERATION				η (%)	Cutoff	
					Power	V_{CB}	V_{CE}	V_{EB}	Temp. (°C) Cond.	G_{pe}	P_{OUT}	Freq.	V_{CC}		I_{CBO} @ V_{CB}	
	2N5915	NS 966 A			10.7W	36V	14V	3.5V	200 C	4.8DB	6.0W	470MHZ	13V	65	3MA	13V
	2N5916	NS 966 A			4.0W	55V	24V	3.5V	200 C	10.0DB	2.0W	400MHZ	28V	50	1MA	30V
	2N5917	NS 966 B			4.0W	55V	24V	3.5V	200 C	10.0DB	2.0W	400MHZ	28V	50	1MA	30V
	2N5918	NS 966 A			10.0W	60V	24V	4.0V	200 C	8.0DB	10.0W	400MHZ	28V	55	5MA	30V
	2N5919	NS 966 A			25.0W	65V	30V	4.0V	200 C	6.0DB	16.0W	400MHZ	28V	60	10MA	30V
	2N5920	NS 951 A			3.5W	50V	50V S	3.5V	200 C	10.0DB	2.0W	2000MHZ	28V	40	1MA	50V
	2N5921	NS 951 B			14.5W	50V	50V R	3.5V	200 C	7.0DB	5.0W	2000MHZ	28V	40	1MA	45V
	2N5922	NS 962 D		MOT	5.0W	55V	35V	3.5V	200 S	5.0DB	1.0W	1000MHZ	28V	35	4MA	30V
	2N5923	NS 962 D		MOT	6.0W	55V	35V	3.5V	200 S	5.0DB	2.5W	1000MHZ	28V	40	10MA	30V
	2N5924	NS 962 D		MOT	10.0W	55V	35V	3.5V	200 S	5.0DB	5.0W	1000MHZ	28V	40	20MA	30V
	2N5925	NS 962 D		MOT	13.0W	55V	35V	3.5V	200 S	5.0DB	10.0W	1020MHZ	28V	40	25MA	30V
	2N5992	NS 966 A			35.7W	65V	30V	3.5V	200 S	11.5DB	7.0W	66MHZ	13V	55	10MA	60V
	2N5993	NS 966 A			35.7W	36V	18V	3.5V	200 S	12.5DB	18.0W	66MHZ	13V	65	10MA	13V
	2N5994	NS 966 A			35.7W	65V	30V	3.5V	200 S	7.0DB	15.0W	118MHZ	13V	70	5MA	60V
	2N5995	NS 966 A			10.7W	36V	14V	3.5V	200 S	9.7DB	7.0W	175MHZ	13V	65	5MA	13V
	2N5996	NS 966 A			35.7W	36V	18V	3.5V	200 S	4.5DB	15.0W	175MHZ	13V	75	10MA	13V
	2N6166	NS 655 C		MOT	117.0W	65V	35V	4.0V	200 S	6.0DB	100.0W	150MHZ	28V	60	3MA	30V
	2N6197	NS 964 C		COM	10.0W	60V	35V	4.0V	200 S	13.0DB	3.0W	175MHZ	28V	60	2MA	30V
	2N6198	NS 964 C		COM	25.0W	60V	35V	4.0V	200 S	10.8DB	12.0W	175MHZ	28V	60	5MA	30V
	2N6199	NS 964 C		COM	50.0W	60V	35V	4.0V	200 S	8.5DB	25.0W	175MHZ	28V	60	10MA	30V
	2N6200	NS 964 C		COM	85.0W	60V	35V	4.0V	200 S	8.2DB	40.0W	175MHZ	28V	60	20MA	30V
	2N6201	NS 964 D		COM	140.0W	60V	35V	4.0V	200 S	5.4DB	70.0W	175MHZ	28V	50	20MA	30V
	2N6202	NS 964 C		COM	10.0W	60V	33V	4.0V	200 S	10.0DB	3.0W	400MHZ	28V	50	2MA	30V
	2N6203	NS 964 C		COM	20.0W	60V	33V	4.0V	200 S	6.8DB	12.0W	400MHZ	28V	60	5MA	30V
	2N6204	NS 964 C		COM	40.0W	60V	33V	4.0V	200 S	6.2DB	25.0W	400MHZ	28V	60	10MA	30V
	2N6205	NS 964 C		COM	80.0W	60V	33V	4.0V	200 S	5.2DB	40.0W	400MHZ	28V	65	20MA	
	2N6206	NS 964 C		COM	10.0W	50V	30V	4.0V	200 S	7.0DB	3.0W	1000MHZ	28V	50	2MA	
	2N6207	NS 964 C		COM	20.0W	50V	30V	4.0V	200 S	5.2DB	10.0W	1000MHZ	28V	50	5MA	
	2N6208	NS 964 C		COM	40.0W	50V	30V	4.0V	200 S	4.0DB	20.0W	1000MHZ	28V	50	10MA	
	2N6255	NS 210	39	MOT	5.0W	36V	18V	4.0V	200 S	7.8DB	35.0W	175MHZ	13V	50	250UA	15V
	2N6256	NS 961 A		MOT	2.0W	36V	18V	4.0V	200 S	7.0DB	.5W	470MHZ	13V	60	500UA	15V
	2N6265	NS 940 A		RCA	6.2W	50V	50V R	3.5V	200 S	8.2DB	2.0W	2000MHZ	28V	33	2MA	45V
	2N6266	NS 940 A			14.8W	50V	50V R	3.5V	200 S	7.0DB	5.0W	2000MHZ	28V	33	2MA	45V
	2N6267	NS 940 A			21.0W	50V	50V R	3.5V	200 S	7.0DB	10.0W	2000MHZ	28V	33	2MA	45V
	2N6268	NS 940 A		RCA	6.2W	45V	45V R	3.5V	200 S	7.0DB	2.0W	2300MHZ	22V	33	2MA	40V
	2N6269	NS 940 A		RCA	21.0W	45V	45V R	3.5V	200 S	7.0DB	2.0W	2300MHZ	22V	33	2MA	40V
	2N6361	NS 880 A		COM	50.0W	60V	33V	4.0V	200 S	9.0DB	20.0W	400MHZ	28V	65	10MA	30V
	2N6362	NS 880 A		COM	110.0W	60V	33V	4.0V	200 S	7.5DB	40.0W	400MHZ	28V	65	10MA	30V
	2N6363	NS 880 A		COM	175.0W	60V	33V	4.0V	200 S	8.7DB	75.0W	400MHZ	28V	65	20MA	30V
	2N6364	NS 880 A		COM	175.0W	50V	33V	4.0V	200 S	7.2DB	75.0W	750MHZ	28V	65	20MA	30V
	2N6367	NS 655 B		MOT	20.0W	36V	18V	4.0V	200 J		9.0W	300MHZ	13V	36	10MA	15V
	2N6368	NS 655 C		MOT	140.0W	400V	20V	4.0V	200 J	10.0DB	40.0W	300MHZ	13V	34	10MA	12V
	2SC547	NS 211	39	TOS	6.0W	65V	40V	4.0V	175 J	10.0DB	2.5W	175MHZ	28V	50	100UA	30V
	2SC548	NS 211	39	TOS	6.0W	36V	18V	4.0V	175 J	10.0DB	1.0W	175MHZ	14V	60	100UA	15V
	2SC549	NS 540	60	TOS	10.0W	65V	40V	4.0V	175 J	4.8DB	3.0W	400MHZ	28V	40	100UA	30V
	2SC550	NS 540	60	TOS	10.0W	36V	18V	4.0V	175 J	6.0DB	4.0W	175MHZ	14V	70	100UA	15V
	2SC551	NS 540	60	TOS	20.0W	65V	40V	4.0V	175 J	5.9DB	13.5W	175MHZ	28V	70	250UA	30V
	2SC552	NS 540	60	TOS	20.0W	36V	18V	4.0V	175 J	4.8DB	12.0W	175MHZ	14V	80	250UA	15V
	2SC553	NS 540	60	TOS	20.0W	65V	40V	4.0V	175 J	.4DB	10.0W	400MHZ	28V	45	250UA	30V
	2SC555	NS 211	39	TOS	4.2W	55V	30V	3.5V	175 J	10.0DB	1.0W	400MHZ	28V	45	20UA	28V
	2SC1090	NS 965 C		NEC	.3W	20V	12V	3.0V	200 J	10.0DB		1000MHZ	5V		500NA	10V
	3TE604	NS 960 B		KER	30.0W		96V	4.0V	200 J	9.0DB	30.0W	150MHZ	40V	50	1MA	48V
	3TE609	NS 960 B		KER	60.0W	80V	60V	4.0V	200 J	9.0DB	50.0W	150MHZ	28V	65	1MA	28V
	3TE610	NS 960 B		KER	87.0W	80V	60V	4.0V	200 J	8.8DB	100.0W	150MHZ	40V	50	1MA	28V
	3TE611	NS 960 B		KER	87.0W	60V	30V	4.0V	200 J	7.0DB	75.0W	150MHZ	28V	50	5MA	28V
	3TX601	NS 964 G		KER	7.0W	36V	18V	4.0V	200 J	9.0DB	4.0W	175MHZ	14V	60	1MA	18V
	3TX602	NS 964 G		KER	20.0W	36V	18V	4.0V	200 J	6.4DB	13.0W	175MHZ	14V	60	1MA	18V
	3TX632	NS 964 G		KER	15.0W	60V	30V	3.5V	200 J	6.0DB	5.0W	470MHZ	28V	50	2MA	28V
	3TX820	NS 964 H		KER	4.0W	36V	18V	3.5V	200 J	5.0DB	1.0W	470MHZ	13V	50	100UA	30V
	3TX821	NS 964 H		KER	7.0W	36V	18V	3.5V	200 J	4.0DB	2.0W	470MHZ	13V	60	100UA	30V
	40082	NS 211	39	RCA	5.0W		60V X	2.5V	200 J	9.3DB	3.0W	27MHZ	12V		10UA	15V
	40279	NS 540	60	RCA	11.6W	65V	40V	4.0V	200 J	8.8DB	7.5W	100MHZ	28V	65	100NA	30V
	40280	NS 211	39	RCA	7.0W	36V	18V	4.0V	200 J	9.0DB	1.0W	175MHZ	14V	60	100UA	15V
	40281	NS 543	60	RCA	11.6W	36V	18V	4.0V	200 J	6.0DB	4.0W	175MHZ	14V	70	100UA	15V
	40282	NS 543	60	RCA	23.2W	36V	18V	4.0V	200 J	4.8DB	12.0W	175MHZ	14V	80	250UA	15V
	40290	NS 211	39	RCA	7.0W		50V X	4.0V	200 J	6.0DB	2.0W	135MHZ	13V	70	100UA	15V
	40291	NS 540	60	RCA	11.6W		50V X	4.0V	200 J	6.0DB	2.0W	135MHZ	13V	70	100UA	15V
	40292	NS 540	60	RCA	23.2W		50V X	4.0V	200 J	4.8DB	6.0W	135MHZ	13V	70	250UA	15V
	40305	NS 211	39	RCA	7.0W	65V	40V	4.0V	200 J	10.0DB	2.5W	175MHZ	28V	50	100NA	30V
	40306	NS 540	60	RCA	11.6W	65V	40V	4.0V	200 J	8.8DB	7.5W	100MHZ	28V	65	100NA	30V
	40307	NS 540	60	RCA	23.0W	65V	40V	4.0V	200 J	5.8DB	13.5W	175MHZ	28V	70	250NA	30V
	40340	NS 543	60	RCA	70.0W	60V	25V	4.0V	200 J	7.0DB	25.0W	50MHZ	14V	60	10MA	50V
	40341	NS 543	60	RCA	70.0W	70V	35V	4.0V	200 J	10.0DB	30.0W	50MHZ	24V	60	10MA	40V
	40446	NS 211	39	RCA	10.0W		60V X	2.5V	200 J	9.3DB	3.0W	27MHZ	12V		10UA	15V
	40577	NS 211	05	RCA	3.0W		85V X	4.0V	200 J	10.0DB	1.0W	50MHZ	28V		10NA	30V
	40578	NS 211	39	RCA	5.0W	55V	30V	3.5V	200 J	15.6DB	1.8W	100MHZ	28V	60	100NA	28V
	40581	NS 635 B		RCA	5.0W		60V X	2.5V	200 J	10.0DB	3.5W	27MHZ	12V		10UA	15V
	40582	NS 635 B		RCA	10.0W		60V X	2.5V	200 J	10.0DB	3.5W	27MHZ	12V		10UA	15V
	40605	NS 211	39	RCA	7.0W	65V	40V	4.0V	200 J	13.7DB	2.5W	175MHZ	28V	50	100NA	30V
	40665	NS 543	60	RCA	23.0W	65V	40V	4.0V	200 J	8.6DB	13.5W	175MHZ	28V	70	250UA	30V
	40666	NS 543	60	RCA	11.6W	65V	40V	4.0V	200 J	13.7DB	7.5W	100MHZ	28V	65	100UA	30V
	8LY61	NS 211	39	TIL	3.5W	36V	18V	4.0V		10.0DB	1.0W	470MHZ	13V	50		
	8LY62	NS 962	117	TIL	11.0W	36V	18V	4.0V		7.0DB	5.0W	500MHZ	13V	60		
	8LY63	NS 962	117	TIL	17.5W	36V	18V	4.0V		4.8DB	15.0W	500MHZ	13V	70		
	-MM1549	NS 962 A		MOT	7.5W	60V	35V	4.0V	200 J	6.2DB	2.5W	400MHZ	28V	50	100UA	30V
	-MM1550	NS 962 A		MOT	15.0W	60V	35V	4.0V	200 J	5.7DB	7.5W	400MHZ	28V	50	1MA	30V
	-MM1551	NS 964 C		MOT	30.0W	60V	35V	4.0V	200 J	4.6DB	20.0W	400MHZ	28V	50	1MA	30V
	-MM1557	NS 962 A		MOT	15.0W	65V	35V	4.0V	200 J	8.4DB	7.0W	175MHZ	28V	60	1MA	30V
	-MM1558	NS 962 A		MOT	30.0W	65V	35V	4.0V	200 J	8.2DB	20.0W	175MHZ	28V	60	1MA	30V
	-MM1559	NS 964 C		MOT	60.0W	65V	35V	4.0V	200 J	7.6DB	40.0W	175MHZ	28V	60	1MA	30V
	MM1603	NS 964 C		MOT	70.0W	36V	18V	4.0V	200 J	4.4DB	25.0W	175MHZ	14V	50	1MA	15V
	MM1619	NS 964 C		MOT	50.0W	48V	24V	4.0V	200 J	9.1DB	25.0W	50MHZ	13V	50	1MA	15V
	MM1620	NS 964 D		MOT	100.0W	48V	24V	4.0V	200 J	8.2DB	40.0W	50MHZ	13V	50	1MA	15V
	MM4018	PS 210	39	MOT	5.0W	40V	20V	4.0V	200 J	10.0DB	.5W	175MHZ	13V	45	10UA	15V
	MM4019	PS 210	39	MOT	5.0W	60V	40V	4.0V	200 J	6.0DB	2.0W	400MHZ	28V	50	100UA	30V
	MM4020	PS 964 E		MOT	25.0W	36V	18V	4.0V	150 J	11.5DB	3.5W	175MHZ	13V	50	50UA	15V
	MM4021	PS 964 E		MOT	29.0W	36V	18V	4.0V	150 J	7.0DB	15.0W	175MHZ	13V	55	100UA	15V
	MM4022	PS 964 E		MOT	70.0W	36V	18V	4.0V	150 J	5.5DB	25.0W	175MHZ	13V	60	250UA	15V
	MM4023	PS 964 E		MOT	87.0W	36V	18V	4.0V	150 J	4.5DB	40.0W	175MHZ	13V	50	500UA	15V
	MM4429	NS 964 C		MOT	5.0W	55V	35V	3.5V	200 J	5.2DB	1.0W	1000MHZ	28V			
	MM4430	NS 964 C		MOT	5.0W	55V	35V	3.5V	200 J	5.0DB	2.5W	1000MHZ	28V			
	MM8012	NS 962 E		MOT	5.0W	40V	30V	3.5V	200 J	11.4DB		200MHZ	15V		100UA	28V
	MSA7505	NS 543	60	FSC	25.0W		65V S	4.0V	200 J	5.6DB	10.0W	400MHZ	28V	60	5MA	65V
	MSA8503	NS 964 E		FSC	80.0W		65V S	4.0V	200 C	8.5DB	50.0W	175MHZ	28V	65		
	MSA8505	NS 543	60	FSC	21.0W		65V S	4.0V	200 J	4.6DB	10.0W	400MHZ	28V	60	5MA	65V
	MSA8506	NS 964 B		FSC	50.0W		36V S	4.0V	200 J	5.0DB	25.0W	175MHZ	12V	65		
	MSA8507	NS 964 E		FSC	22.0W		36V S	4.0V	200 C	5.0DB	12.0W	175MHZ	12V	65	1MA	12V
	MSA8508	NS 964 E		FSC	12.0W		36V S	4.0V	200 C	8.7DB	3.0W	175MHZ	12V	65	500UA	12V
	MT5763	NS 964 J		FSC	3.0W	55V	30V	3.5V	175 J	8.0DB	1.6W	1000MHZ	28V	55		
	MT5764	NS 964 J		FSC	5.0W	55V	30V	3.5V	175 J	7.0DB	3.7W	1000MHZ	28V	55		
	MT5765	NS 964 J		FSC	9.0W	55V	30V	3.5V	175 J	7.5DB	7.0W	1000MHZ	28V	50		
	SRF1001	NS 211	5	SOL		55V	30V	3.5V		8.8DB	1.5W	175MHZ	12V	00		
	SRF1002	NS 211	5	SOL		60V	40V	4.0V		7.0DB	1.0W	400MHZ	28V	00		
	SRF11101	NS 211	5	SOL		65V	40V	4.0V		10.0DB	2.5W	175MHZ	28V	00		
	SRF12101	NS 540	60	SOL		65V	40V	4.0V		4.8DB	6.0W	400MHZ	28V	00		
	SRF12212	NS 540	60	SOL		40V	20V	4.0V		8.5DB	7.0W	175MHZ	13V			
	SRF12213	NS 540	60	SOL		40V	20V	4.0V		6.2DB	7.5W	175MHZ	14V	00		
	SRF13113	NS 905 B		SOL		60V	40V	4.0V		9.0DB	10.0W	175MHZ	28V	00		
	SRF13122	NS 905 B		SOL		65V	40V	4.0V		3.7DB	3.5W	400MHZ	28V	00		
	SRF13123	NS 905 B		SOL		60V	40V	4.0V		6.3DB	6.5W	400MHZ	28V	00		
	SRF13212	NS 905 B		SOL		40V	20V	3.0V		7.4DB	12.0W	175MHZ	14V	00		
	SRF13213	NS 905 B		SOL		30V	18V	3.0V		6.4DB	7.0W	175MHZ	14V	00		
	SRF21140	NS 540	60	SOL		40V	20V	3.0V		11.0DB	1.3W	200MHZ	28V	00		
	SRF23121	NS 905 B		SOL		60V	35V	4.0V		8.7DB	1.1W	400MHZ	28V	00		
	SRF23211	NS 905 B		SOL		35V	20V	4.0V		9.2DB	1.0W	175MHZ	14V	00		
	SRF32214	NS 540	60	SOL		40V	20V	4.0V		7.0DB	15.0W	175MHZ	13V			
	SRF52101	NS 540	60	SOL		65V	40V	4.0V		7.0DB	15.0W	175MHZ	28V	00		
	SRF52214	NS 540	60	SOL		30V	18V	3.0V		6.2DB	13.2W	175MHZ	12V	00		
	SRF53104	NS 905 B		SOL		70V	35V	3.5V		10.0DB	10.0W	175MHZ	28V	00		

RF POWER TRANSISTORS

Obsolete	Transistor Type No.	Description	JEDEC (TO)	Manufacturers	ABSOLUTE MAXIMUMS					RF OPERATION				η (%)	Cutoff I_{CBO} @ V_{CB}
					Power	V_{CB}	V_{CE-}	V_{EB}	Temp. (°C) Cont.	G_{pe}	P_{OUT}	Freq.	V_{CC}		
†	SRF53114	NS 905 B		SOL		60V	40V	4.0V		7.6DB	20.0W	175MHZ	28V	00	
	SRF53215	NS 905 B		SOL		30V	18V	3.0V		6.0DB	20.0W	175MHZ	14V	00	
	SRF54215	NS 964 D		SOL		30V	18V	3.0V		6.0DB	20.0W	175MHZ	14V	00	
	V575	NS 967 B		NEC	7.5W	40V	20V	3.0V	175 J	3.0DB	1.3W	2300MHZ	18V		100UA 20V
	V643	NS 967 B		NEC	3.8W	40V	20V	3.0V	175 J	4.5DB	.7W	2300MHZ	18V		50UA 20V
	XB401	NS 211	39	TIL	7.0W	60V	40V	4.0V		7.9DB	2.5W	350MHZ	28V	50	
	XB404	NS 543	60	TIL	23.0W	60V	40V	4.0V		7.0DB	10.0W	350MHZ	28V	70	
	XB408	NS 543	60	TIL	30.0W	65V	40V	4.0V		4.4DB	25.0W	350MHZ	28V	65	
	XB433	NS 961	131	TIL	7.0W	36V	18V	4.0V		7.0DB	.5W	900MHZ	13V	45	
	XB434	NS 962	117	TIL	3.0W	36V	18V	4.0V		5.7DB	1.5W	900MHZ	13V	70	
	XB435	NS 962	117	TIL	8.0W	36V	18V	4.0V		6.0DB	2.0W	900MHZ	13V	70	
	XB436	NS 962	117	TIL	11.0W	36V	18V	4.0V		5.5DB	7.0W	900MHZ	13V	85	
	XB437	NS 962	117	TIL	20.0W	36V	18V	4.0V		4.8DB	12.0W	900MHZ	13V	85	
	XB473	NS 961	131	TIL	3.0W	55V	30V	4.0V		8.8DB	.8W	900MHZ	28V	45	
	XB474	NS 962	117	TIL	3.0W	55V	30V	4.0V		5.7DB	1.5W	900MHZ	28V	60	
	XB475	NS 962	117	TIL	11.0W	60V	30V	4.0V		5.2DB	5.0W	900MHZ	28V	70	
	XB476	NS 962	117	TIL	25.0W	60V	30V	4.0V		4.8DB	15.0W	900MHZ	28V	70	

KEY TO MANUFACTURERS

AEI—Associated Electrical Industries (England)
AMC—Amelco Semiconductor Division, Teledyne, Inc.
AMF—American Machine & Foundry Co., Leland Airborne Products Div.
AMP—Amperex Electronics Corp.
BEN—Bendix Corp., Semiconductor Div.
CBS—CBS Electronics
CLE—Clevite Transistor Corp.
CRY—Crystalonics
CSF—Compagnie Generale de T.S.F. (France)
DEL—Delco Radio Div., General Motors Corp.
EBA—Ebauches S.A. (Switzerland)
ETC—Electronics Transistor Corp.
FSC—Fairchild Semiconductor Div., Fairchild Camera and Instrument Corp.
GEC—General Electric Co., Semiconductor Products Dept.
GIC—General Instrument Corp., Semiconductor Products Group
GTC—General Transistor Corp.
HIT—Hitachi Ltd. (Japan)
HUG—Hughes Aircraft Co., Microelectronics Div.
IMG—Intermetall (Germany)
INR—International Rectifier
ITC—Industro Transistor Corp.
ITT—ITT Semiconductors
KEL—Kyodo Electronic Laboratories, Inc. (Japan)
KER—Kertron, Inc.
KSC—KSC Semiconductor Corp.
MAT—Matsushita Electronics Corp. (Japan)
MHR—Honeywell, Military Products Group
MOT—Motorola Semiconductor Products, Inc.
MUL—Mullard Overseas Ltd. (England)
NEC—Nippon Electric Co. Ltd. (Japan)
NKT—Newmarket Transistors Ltd. (England)
NSC—National Semiconductor Corp.
OKI—OKI Electric Industry Co., Ltd. (Japan)
PHF—Philco-Ford Corp.
PHL—Philco
PHN—Philips Gloeamperfabrieken (Netherlands)
RAD—La Radiotechnique (France)
RAY—Raytheon Co., Semiconductor Div.
RCA—Radio Corporation of America, Electronic Components & Devices
SAN—Tokyo Sanyo Electric Co., Ltd. (Japan)
SEJ—Shindengen Electric Manufacturing Co., Ltd. (Japan)
SEM—Semitronics Corp.
SEN—Sensitron Semiconductor
SES—Societe Europienne des Semiconducteurs (France)
SIH—Siemens and Halske Aktiengesellschaft (Germany)
SOL—Solitron Devices, Inc.
SON—Sony Corp. (Japan)
SPC—Solid Power Corp.
SPR—Sprague Products Co.
SSD—Sperry Semiconductor
SSP—Solid State Products, Inc.
STC—Silicon Transistor Corp.
SYL—Sylvania Electric Products Inc., Semiconductor Div.
TAD—Tadiran (Israel)
TEC—Transitron Electronic Corp.
TFK—Telefunken Gmbh. (Germany)
TII—Texas Instruments, Inc.
TIL—Texas Instruments Ltd. (England)
TOS—Toshiba America, Inc.
TRW—TRW Semiconductors, Inc.
TSE—Tung-Sol Electric, Inc.
WHE—Westinghouse Electric Corp., Semiconductor Div.
WTV—Workman Electronic Products, Inc.

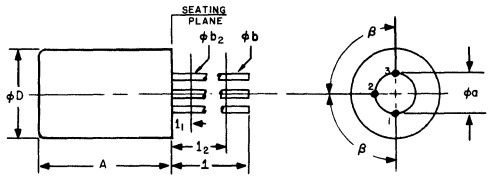
Registered Transistor Outlines

The outlines in this section have been registered and assigned a JEDEC outline number—a TO designation that indicates the semiconductor device has more than two terminals. (Two-terminal devices are assigned DO numbers.) The TO outline provides only the physical shape and dimensions of a semiconductor device. It does not indicate any electrical characteristics, such as base, emitter, collector. Terminal identification for transistors in this manual are to be found in the Lead and Terminal Identification section. For additional information relating to outline drawings, refer to Transistor Outlines.

The gaps in the numerical sequence of TO numbers are due to the fact that there are no outlines for TO-4, TO-19, TO-20, TO-21, TO-34, and TO-35.

The TO outline drawings and the related information in this section are reproduced through the courtesy of the Electronic Industries Association (EIA) and the Joint Electron Device Engineering Council (JEDEC).

TO 1



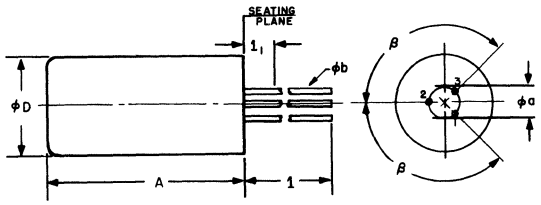
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.061	.081	1.55	2.06	
A		.410		10.41	
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD		.240		6.10	
1	1.500		38.10		1
l_1		.050		1.27	
l_2	.250		6.35		1
β	90° NOMINAL				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 2



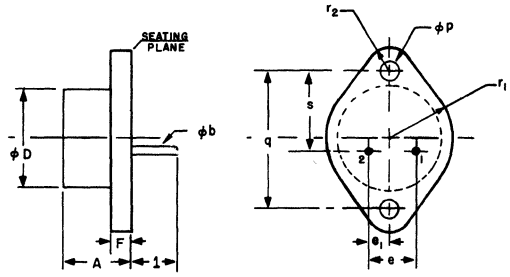
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.028	.035	.711	.889	
A		.255		6.48	
ϕb	.012	.014	.305	.356	2
ϕD		.135		3.43	
1	1.500		38.10		2
l_1		.080		2.03	1, 2
β	120° NOMINAL				

NOTES:

1. INSULATION RUNDOWN.
2. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 3



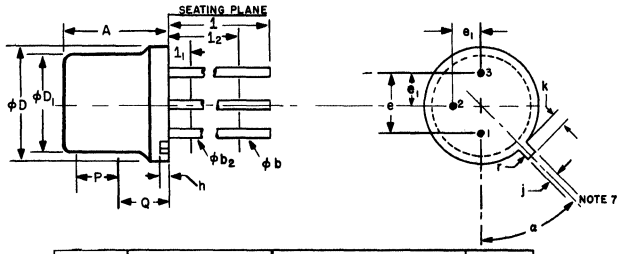
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.450	6.35	11.43	
ϕb	.038	.043	.97	1.09	2
ϕD		.875		22.23	
e	.420	.440	10.67	11.18	
e_1	.205	.225	5.21	5.72	
F		.135		3.43	
1	.312		7.92		2
ϕp	.151	.161	3.84	4.09	
q	1.177	1.197	29.90	30.40	
r_1		.525		13.34	
r_2		.188		4.78	
s	.655	.675	16.64	17.15	1

NOTES:

1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050" (1.27 MM) TO .055" (1.40 MM) BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
2. TWO LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 5

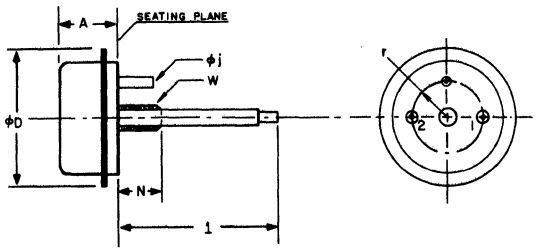


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e_1	.100 T.P.		2.54 T.P.		5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.179	
α	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 6



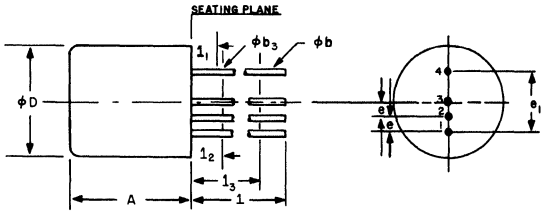
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.625		15.88	
ϕD		1.188		30.18	
l	1.625		41.28		
ϕj	.120 NOMINAL		3.05 NOMINAL		1
N	.438 NOMINAL		11.13 NOMINAL		
r	.345 NOMINAL		8.76 NOMINAL		
W					2

NOTES:

1. INSULATED LOCATOR PIN.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 7



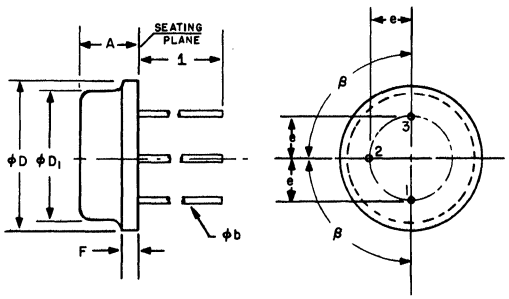
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.375		9.53	
ϕb	.016	.021	.406	.533	2
ϕb_3	.016	.019	.406	.483	2
ϕD		.360		9.14	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
l	1.500		38.10		
l_1		.050		1.27	2
l_2		.080		2.03	1, 2
l_3	.250		6.35		2

NOTES:

1. EXTERNALLY COATED DEVICES SHALL NOT HAVE COATING ON THE LEADS BEYOND THIS ZONE.
2. (FOUR LEADS) ϕb_3 APPLIES BETWEEN l_1 AND l_3. ϕb APPLIES BETWEEN l_3 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR

TO 8



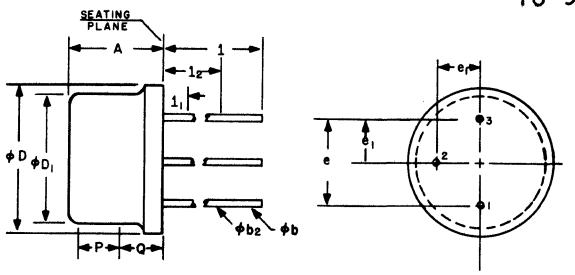
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.270	.330	6.86	8.38	
ϕb	.027	.033	.686	.838	1
ϕD	.550	.650	13.97	16.51	
ϕD_1	.444	.524	11.28	13.31	
e	.136	.146	3.45	3.71	
F		.115		2.92	
l	.360	.440	9.14	11.18	1
β	90° NOMINAL				

NOTES:

1. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 9

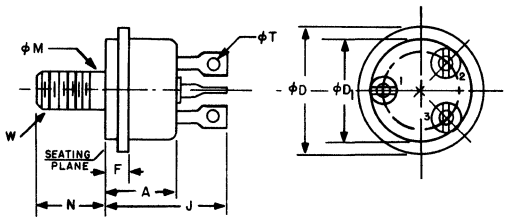


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.275	.335	6.99	8.51	
e	.200 T.P.		5.08 T.P.		3
e_1	.100 T.P.		2.54 T.P.		
1	.500		12.70		
l_1		.050		1.27	
l_2	.250		6.35		
P	.065		1.65		1
Q		.155		3.94	4

NOTES:

1. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. LEADS HAVING A MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN A GAGING PLANE OF .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (1.78 MM) OF THEIR TRUE POSITIONS (T.P.).
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

TO 10



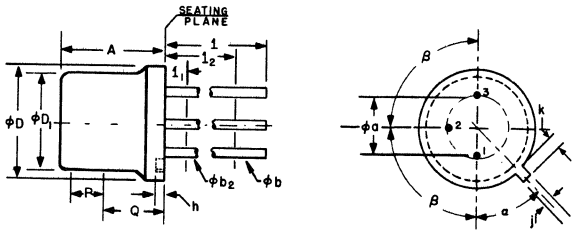
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.290	.440	7.37	11.18	
ϕD		.650		16.51	
ϕD_1	.410	.560	10.41	14.22	
F	.060	.330	1.52	8.38	
J		.650		16.51	
ϕM	.163	.189	4.14	4.80	3
N	.335	.375	8.51	9.53	
ϕT	.040		1.02		1
W					2, 3

NOTES:

1. ANGULAR ORIENTATION OF INDIVIDUAL SOLDERED TERMINALS IS UNDEFINED.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.
3. COMPLETE THREADS SHALL EXTEND TO WITHIN 2-1/2 THREADS OF THE SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 11

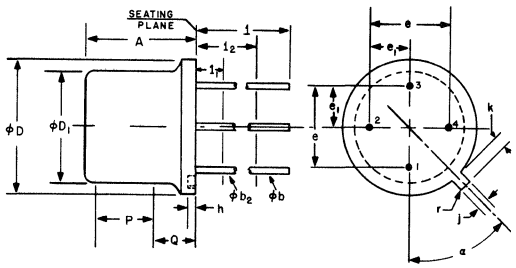


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.360	.390	9.14	9.91	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD		.370		9.40	
ϕD_1	.305	.335	7.75	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.200		5.08		1
Q					4
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

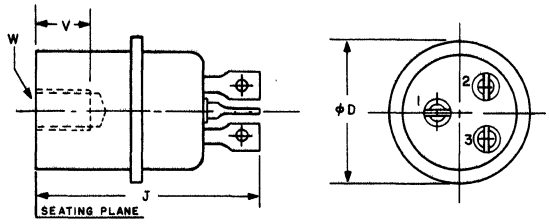


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e_1	.100 T.P.		2.54 T.P.		5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.178	
α	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS UNCONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (FOUR LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 13



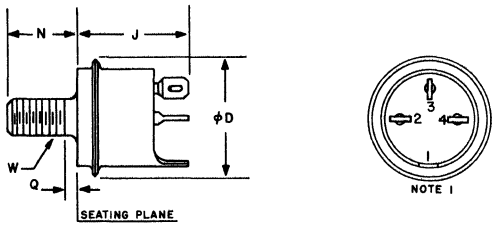
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕD		.650		16.51	
J		1.040		26.42	
V	.250		6.35		
W					1

NOTES:

1. 1/4-28 UNF-2B.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 14



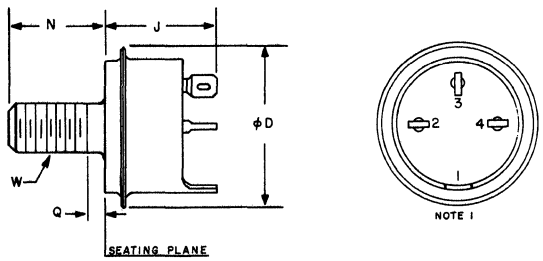
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕD		.650		16.51	
J		.650		16.51	
N	.335	.375	8.51	9.53	
Q		.080		2.03	
W					2

NOTES:

1. TERMINALS MAY BE REFERRED TO BY NUMBER AS FOLLOWS: TERMINAL NO. 1 IS THE ODD TERMINAL AND CONNECTED TO THE CASE. OTHER TERMINALS ARE NUMBERED CLOCKWISE FROM NO. 1.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 15



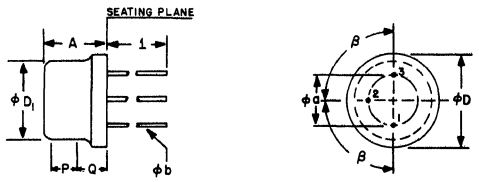
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕD		.850		21.59	
J		.650		16.51	
N	.460	.500	11.68	12.70	
Q		.100		2.54	
W					2

NOTES:

1. TERMINALS MAY BE REFERRED TO BY NUMBER AS FOLLOWS: TERMINAL NO. 1 IS THE ODD TERMINAL AND CONNECTED TO THE CASE. OTHER TERMINALS ARE NUMBERED CLOCKWISE FROM NO. 1.
2. 1/4-28 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .2268" (5.76 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 16



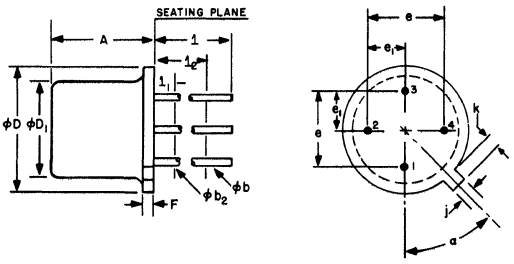
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.019	.406	.483	2
ϕD	.370 NOMINAL		9.40 NOMINAL		
ϕD_1	.275	.335	6.99	8.51	
1	.500		12.70		
P	.100		2.54		1
Q					3
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. THE SPECIFIED LEAD DIAMETER APPLIES IN THE ZONE BETWEEN .050" (1.27 MM) AND .250" (6.35 MM) FROM THE SEATING PLANE BETWEEN .250" (6.35 MM) AND .500" (12.70 MM) MAXIMUM OF .021" (.533 MM) DIAMETER IS HELD. OUTSIDE OF THESE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.
3. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 17

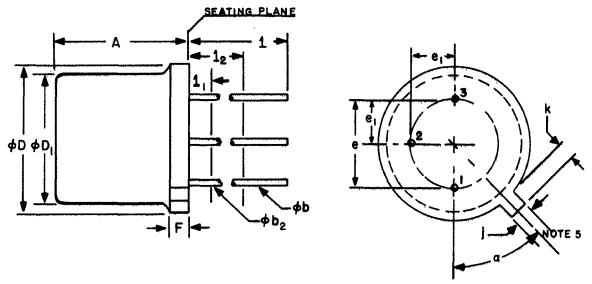


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.210	4.19	5.33	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.185	.215	4.70	5.46	
ϕD_1	.150	.168	3.81	4.27	
e	.071 T.P.		1.80 T.P.		2
e_1	.036 T.P.		.914 T.P.		
F		.030		.762	
j	.030	.045	.762	1.14	
k	.028	.048	.711	1.22	4
1	.500		12.70		1
1_1		.050		1.27	1
1_2	.250		6.35		1
a	45° T.P.				3

NOTES:

1. (FOUR LEADS) ϕb_2 APPLIES BETWEEN 1_1 AND 1_2. ϕb APPLIES BETWEEN 1_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETERS .019" (.483 MM) MEASURED AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB AND TO THE .215" (5.46 MM) DIAMETER.
3. TAB CENTERLINE. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.

TO 18

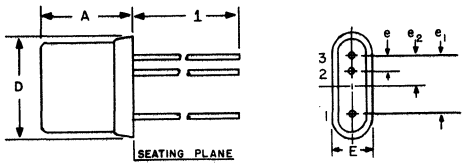


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2, 4
e_1	.050 T.P.		1.27 T.P.		2, 4
F		.030		.762	
j	.036	.046	.914	1.17	4
k	.028	.048	.711	1.22	3
1	.500		12.70		1
1_1		.050		1.27	1
1_2	.250		6.35		1
a	45° T.P.				5

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN 1_1 AND 1_2. ϕb APPLIES BETWEEN 1_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-2.
5. TAB CENTERLINE.

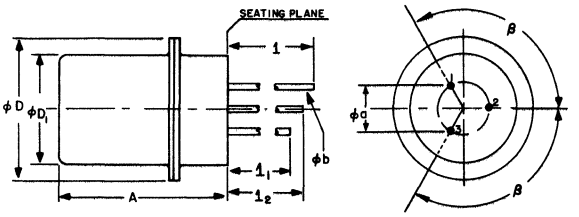
TO 22



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.320		8.13	
D		.340		8.64	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
E		.190		4.83	
1	1.500		38.10		
Q	.089	.103	2.26	2.62	

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 23



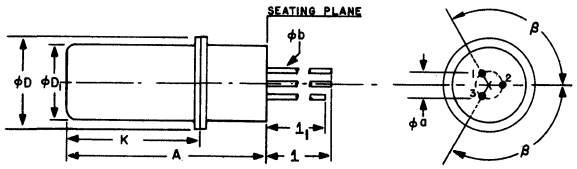
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.052 NOMINAL		1.32 NOMINAL		
A		.180		4.57	
ϕb	.013 NOMINAL		.330 NOMINAL		1
ϕD		.140		3.56	
ϕD_1		.115		2.92	
1	1.615	1.645	41.02	41.78	1
1_1	1.490	1.520	37.85	38.61	1
1_2	1.552	1.582	39.42	40.18	1
β	120° NOMINAL				

NOTES:

1. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 24



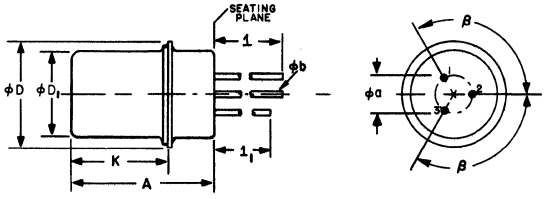
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.070 NOMINAL		1.79 NOMINAL		
A	.425	.475	10.80	12.07	
ϕb	.016 NOMINAL		.406 NOMINAL		1
ϕD	.195	.225	4.95	5.72	
ϕD_1	.161	.179	4.09	4.55	
K	.285	.315	7.24	8.00	
1	1.500	1.687	38.10	42.85	1, 2
1_1	1.450	1.637	36.83	41.58	1, 2
β	120° NOMINAL				

NOTES:

1. THREE LEADS.
2. THE MINIMUM DIFFERENCE BETWEEN 1 AND 1_1 SHALL BE .062" (1.57 MM).

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 25



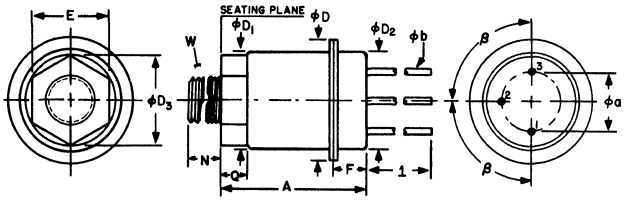
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.156 NOMINAL		3.96 NOMINAL		
A		.470		11.94	
ϕb	.020 NOMINAL		.508 NOMINAL		1
ϕD		.330		8.38	
ϕD_1		.280		7.11	
K		.295		7.49	
1	1.500		38.10		1, 2
1_1	1.438		36.53		1, 2
β	120° NOMINAL				

NOTES:

1. THREE LEADS.
2. THE MINIMUM DIFFERENCE BETWEEN 1 AND 1_1 SHALL BE .062" (1.57 MM).

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 26



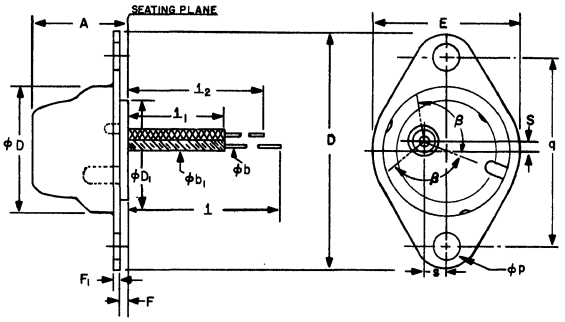
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa		.200		5.08	
A	.480	.510	12.19	12.95	
ϕb	.016	.019	.406	.482	2
ϕD	.360	.370	9.14	9.40	
ϕD_1	.295	.305	7.49	7.75	
ϕD_2	.290	.310	7.37	7.87	
ϕD_3		.289		7.34	
E		.250		6.35	
F	.110	.130	2.79	3.30	
1	1.500	1.688	38.10	42.88	2
N		.375		9.53	
Q	.105	.115	2.67	2.92	
W					1
β	90° NOMINAL				

NOTES:

1. 8-32 UNF-2A.
2. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

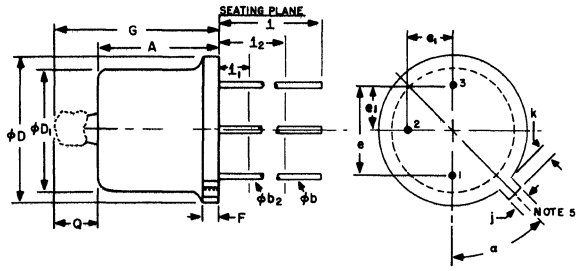
TO 27



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.510		12.95	
ϕb	.016 NOMINAL		.406 NOMINAL		
ϕb_1		.065		1.65	
ϕD		.875		22.23	
ϕD_1		.625		15.88	
D		1.625		41.28	
E		1.125		28.58	
F	.040		1.02		
F_1	.030 NOMINAL		.762 NOMINAL		
1	1.500		38.10		
1_1	.750		19.05		
1_2	1.420		36.07		
ϕp	.156 NOMINAL		3.96 NOMINAL		
q	1.187 NOMINAL		30.15 NOMINAL		
S	.049 NOMINAL		1.24 NOMINAL		
s	.135 NOMINAL		3.43 NOMINAL		
β	120° NOMINAL				

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 28

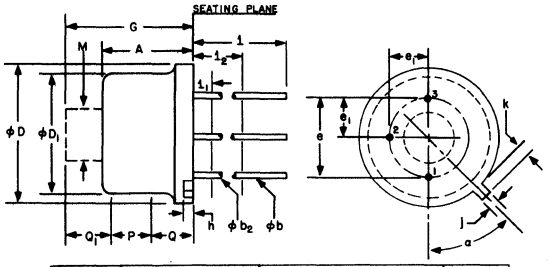


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		1
e_1	.050 T.P.		1.27 T.P.		1
F		.030		.762	
G		.350		8.89	
j	.036	.046	.914	1.17	1
k	.028	.048	.711	1.22	1, 3
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
Q					4
α	45° T.P.				1, 5

NOTES:

1. MAXIMUM DIAMETER LEADS MEASURED AT POINTS .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM-WIDTH TAB AND MAXIMUM DIAMETER FLANGE.
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
5. TAB CENTERLINE.

TO 29

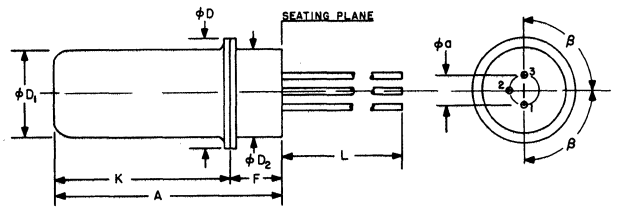


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
G		.360		9.14	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	4, 5
k	.029	.045	.737	1.14	3, 4, 5
l	1.500		38.10		
l_1		.050		1.27	
l_2	.250		6.35		
M		.150		3.81	
P	.100		2.54		1
Q					6
Q_1					6
α	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

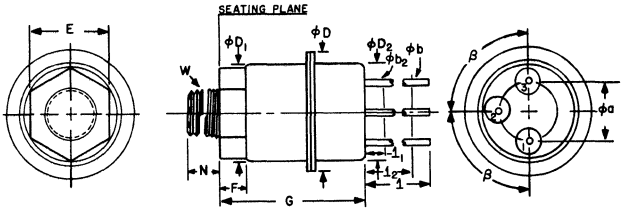
TO 30



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.065	.075	1.65	1.91	
A	.375	.425	9.53	10.80	
ϕD	.195	.225	4.95	5.72	
ϕD_1	.160	.180	4.06	4.57	
ϕD_2	.166	.176	4.22	4.47	
F	.095	.105	2.41	2.67	
K	.285	.315	7.24	8.00	
L	1.500	1.688	38.10	42.88	
β	90° NOMINAL				

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 31



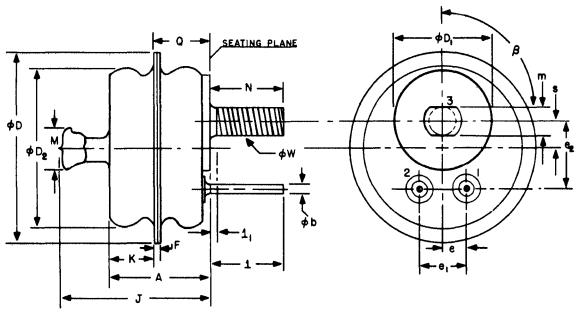
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.360	.390	9.14	9.91	
ϕa	.200 NOMINAL		5.08 NOMINAL		
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.360	.370	9.14	9.40	
ϕD_1	.295	.305	7.49	7.75	
ϕD_2	.290	.310	7.37	7.87	
E	.250		6.35		2
F	.105	.115	2.67	2.92	
1	1.500	1.688	38.10	42.88	
l_1		.050		1.27	
l_2	.250		6.35		
N	.375 NOMINAL		9.53 NOMINAL		
W					3
β	90° NOMINAL				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
2. HEX FOR STANDARD 1/4" IGNITION WRENCH.
3. 8-32 UNC-2A.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 32



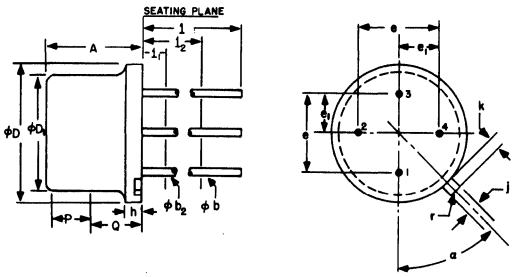
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.475		12.07	
ϕb	.029	.033	.737	.838	
ϕD		.885		22.48	
ϕD_1		.455		11.56	
ϕD_2		.685		17.40	
e	.100 T.P.		2.54 T.P.		1
e_1	.200 T.P.		5.08 T.P.		1
e_2	.300 T.P.		7.62 T.P.		1
F	.020	.040	.508	1.02	
J		.690		17.53	
K	.165		4.19		
l	.281		7.14		
l_1		.015		.381	1, 3
M		.250		6.35	
m	.122	.125	3.10	3.18	
N		.312		7.92	
Q		.310		7.87	
s	.105 T.P.		2.67 T.P.		1
ϕW					2
β	88°	92°	88°	92°	

NOTES:

1. MAXIMUM SIZE LEADS AND STUD MUST BE WITHIN .0055" (.152 MM) OF THE EXACT POSITIONS SHOWN WITH RESPECT TO THE .885" (22.48 MM) MAXIMUM DIAMETER MEASURED AT POINTS .015" (.381 MM) MAXIMUM BELOW SEATING PLANE.
2. 190-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .190" (4.83 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.
3. LEAD DIAMETER IN THIS AREA UNRESTRICTED.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 33

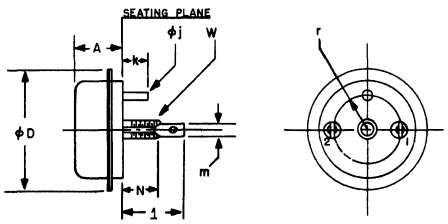


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e_1	.100 T.P.		2.54 T.P.		4, 5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.178	
α	45° T.P.				4, 5, 7

NOTES:

1. THIS DEVICE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (FOUR LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 36



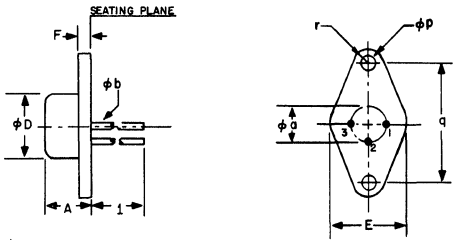
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.520		13.21	
ØD		1.250		31.75	
Øj		.140		3.56	
k		.312		7.92	1
l	.610	.710	15.49	18.03	
m		.190		4.83	
N	.375	.500	9.53	12.70	
r	.345 NOMINAL			8.76	
W					2

NOTES:

1. INSULATED LOCATOR PIN.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 37



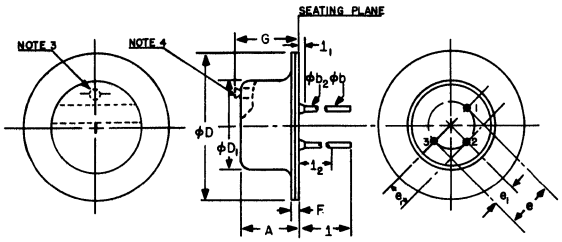
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.200 NOMINAL		5.08 NOMINAL		
A		.260		6.60	
ϕb	.016	.022	.406	.559	1
ØD		.320		8.13	
E		.390		9.91	
F		.070		1.78	
l	1.500		38.10		1
ϕp	.120	.130	3.05	3.30	3
q	.552	.572	14.02	14.53	
r		.114		2.90	2

NOTES:

1. THREE LEADS.
2. BOTH ENDS.
3. TWO MOUNTING HOLES.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 38



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.330		8.38	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.675	.725	17.15	18.42	
ϕD_1	.470	.500	11.94	12.70	
e	.200 T.P.		5.08 T.P.		1
e_1	.100 T.P.		2.54 T.P.		1
F		.045		1.14	
G		.375		9.53	
1	.625		15.88		2
l_1		.050		1.27	2
l_2	.250		6.35		2

NOTES:

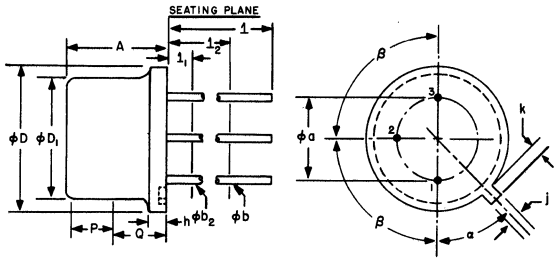
1. MAXIMUM DIAMETER LEADS MEASURED AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE SHALL BE WITHIN .010" (.254 MM) OF THEIR TRUE POSITIONS WITH RESPECT TO THE .725" (18.42 MM) DIAMETER.

   (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .625" (15.88 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED BEYOND .625" (15.88 MM) FROM SEATING PLANE.

   ANGULAR ORIENTATION OF EDGE OPTIONAL.

   DETAILS OF OUTLINE OPTIONAL IN THIS AREA.

TO 39

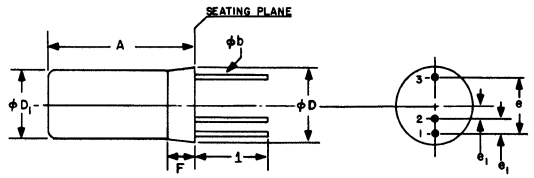


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.350	.370	8.89	9.40	
ϕD_1	.315	.335	8.00	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029	.040	.737	1.02	3
1	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					4
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

TO 40

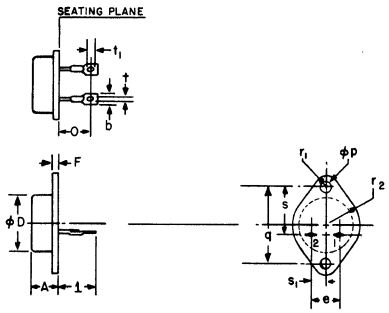


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.495		12.57	
ϕb	.016	.019	.406	.483	1
ϕD		.260		6.60	
ϕD_1		.240		6.10	
e	.185	.199	4.70	5.05	
e_1	.041	.055	1.04	1.40	
F		.120		3.05	
1	.172	.202	4.37	5.13	1

NOTES:

1. THREE LEADS.

TO 41



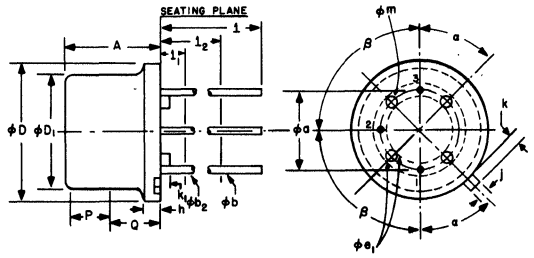
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.450	6.35	11.43	
b	.125	.210	3.18	5.33	1, 2
ϕD		.875		22.23	
e	.420	.440	10.67	11.18	
F		.135		3.43	
1	.560	.680	14.23	17.27	
O	.500	.581	12.70	14.76	
ϕp	.151	.161	3.84	4.09	4
q	1.177	1.197	29.90	30.40	
r_1		.188		4.78	3
r_2		.525		13.34	
s	.655	.675	16.64	17.15	
s_1	.205	.225	5.21	5.72	1
t	.072	.120	1.83	3.05	2
t_1	.072	.170	1.83	4.32	2

NOTES:

1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050" (1.27 MM) TO .055" (1.40 MM) BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
2. SQUARE OR RADIUS ON END OF TERMINAL AND/OR HOLE OPTIONAL.
3. AT BOTH ENDS.
4. TWO HOLES.

   THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 42



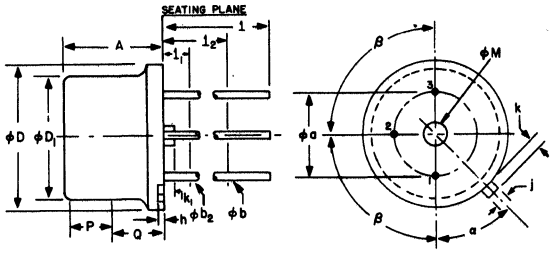
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.290	.335	7.37	8.51	
ϕe_1	.020	.250	.508	6.35	4
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
k_1	.017	.025	.432	.635	
1	1.500		38.10		2
1_1		.050		1.27	2
1_2	.250		6.35		2
ϕm	.040 NOMINAL		1.02 NOMINAL		
P	.100		2.54		1
Q					5
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN 1_1 AND 1_2. ϕb APPLIES BETWEEN 1_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. FOUR EQUALLY SPACED FEET TO LIE WITHIN THIS ZONE. MINIMUM DISTANCE BETWEEN A LEAD AND A FOOT .031" (.788 MM).
5. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 43



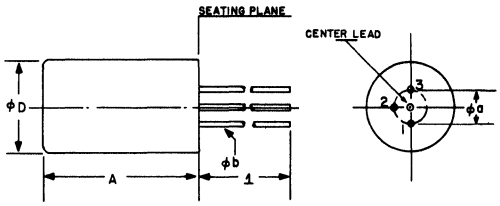
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.290	.335	7.37	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
k_1	.017	.075	.432	1.91	
1	1.500		38.10		2
1_1		.050		1.27	2
1_2	.250		6.35		2
ϕM	.050	.100	1.27	2.54	
P	.100		2.54		1
Q					4
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN 1_1 AND 1_2. ϕb APPLIES BETWEEN 1_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 44



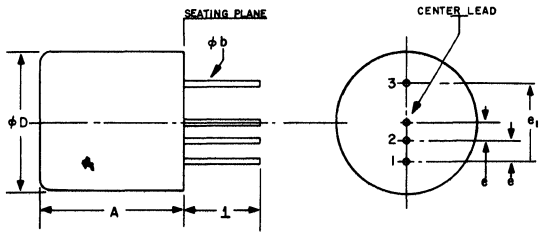
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.064	.080	1.63	2.03	
A		.405		10.29	
ϕb	.016	.019	.406	.483	1
ϕD		.240		6.10	
1	1.500		38.10		

NOTES:

1. FOUR LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 45

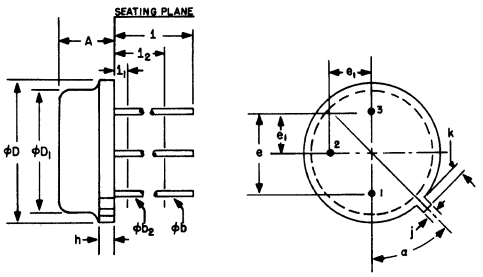


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.185	.199	4.70	5.05	
A		.375		9.53	
ϕb	.016	.019	.406	.483	1
ϕD		.360		9.14	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
1	.172	.202	4.37	5.13	1

NOTES:

1. FOUR LEADS.

TO 46

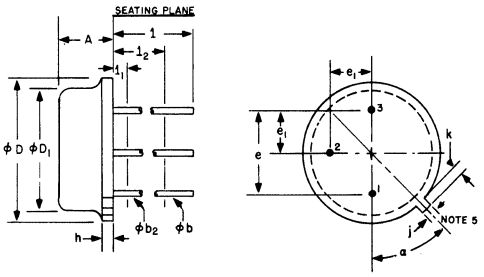


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
ϕb	.016	.021	.406	.533	1
ϕb_2	.012	.019	.305	.483	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
h		.040		1.02	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.		45° T.P.		3, 5

NOTES:

1. **(THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.**
2. **MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .230" (5.84 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.**
3. **INDEX TAB FOR VISUAL ORIENTATION ONLY.**
4. **MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.**
5. **TAB CENTERLINE.**

TO 47

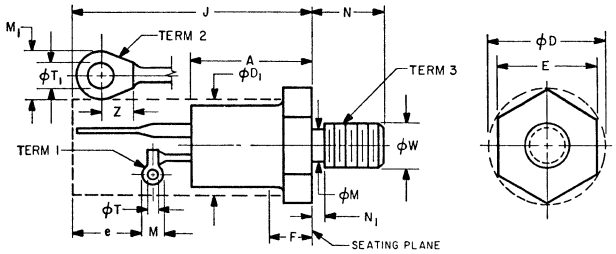


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
ϕb	.016	.021	.406	.533	1
ϕb_2	.012	.019	.305	.483	1
ϕD	.240	.270	6.10	6.86	
ϕD_1	.220	.240	5.59	6.10	
e	.141 T.P.		3.58 T.P.		2
e_1	.071 T.P.		1.80 T.P.		2
h		.040		1.02	
j	.015	.025	.381	.635	
k	.015	.025	.381	.635	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.		45° T.P.		3

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .270" (6.86 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN A GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
3. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
5. TAB CENTERLINE.

TO 48



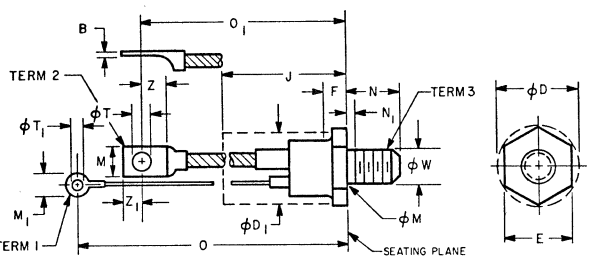
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.330	.505	8.4	12.8	-
ϕD	-	.650	-	16.51	-
ϕD_1	-	.544	-	13.81	5
e	.125	-	3.18	-	4
E	.544	.562	13.82	14.27	-
F	.113	.200	2.88	5.08	3
J	-	1.193	-	30.30	5
ϕM	.220	.249	5.59	6.32	6
M	.115	.140	2.93	3.55	1
M_1	.210	.300	5.34	7.62	1
N	.422	.453	10.72	11.50	-
N_1	-	.090	-	2.28	6
ϕT	.060	.075	1.53	1.90	-
ϕT_1	.125	.165	3.18	4.19	-
ϕW	.2225	.2268	5.652	5.760	2
Z	.120	-	3.05	-	7

NOTES:

1. CONTOUR & ANGULAR ORIENTATION OF THESE TERMINALS IS OPTIONAL.
2. PITCH DIAMETER OF 1/4-28 UNF-2A (COATED) THREADS (ASA B1.1-1960).
3. A CHAMFER OR UNDERCUT ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
4. MINIMUM DIFFERENCE IN TERMINAL LENGTHS TO ESTABLISH DATUM LINE FOR NUMBERING TERMINALS.
5. THE DEVICE WITH EXCEPTION OF THE HEXAGON AND THREAD LIES WITHIN THE CYLINDER DEFINED BY ϕD_1 AND LENGTH J.
6. LENGTH OF INCOMPLETE OR UNDERCUT THREAD OF ϕM.
7. MINIMUM FLAT.

TO 49



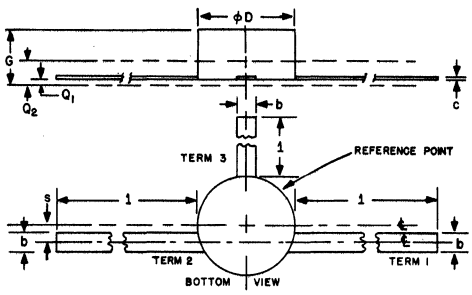
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
B	.055	.110	1.40	2.79	-
ϕD	-	1.227	-	31.16	-
ϕD_1	-	1.031	-	26.18	1
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	5
J	-	2.500	-	63.50	1, 7
M	.437	.650	11.1	16.5	2
M_1	.215	.300	5.47	7.62	2
ϕM	.425	.499	10.80	12.67	3
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	3
O	6.850	7.500	174.0	190.5	-
O_1	5.775	6.265	146.7	159.1	-
ϕT	.250	.310	6.35	7.87	-
ϕT_1	.140	.150	3.56	3.81	-
ϕW	.4619	.4675	11.733	11.874	4
Z	.250	-	6.35	-	6
Z_1	-	.325	-	8.25	-

NOTES:

1. THE DEVICE WITH THE EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN THE CYLINDER DEFINED BY ϕD_1 AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGONAL PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ϕM.
4. PITCH DIAMETER OF 1/2-20 UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.

TO 50

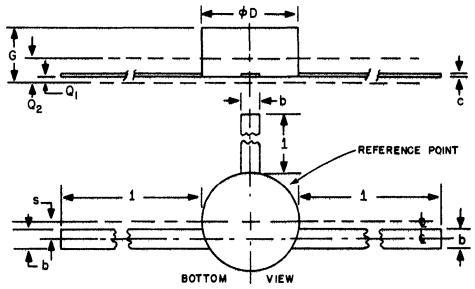


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
b	.015	.028	.381	.711	
c	.003	.005	.076	.127	
ØD	.180	.215	4.57	5.46	2
G	.040	.060	1.02	1.52	
1	.250		6.35		
Q_1		.010		.254	1
Q_2		.025		.635	1
s	.015	.035	.381	.889	1

NOTES:

1. LEADS SHALL EMERGE FROM THE ØD DIMENSION WITHIN THE LIMITS INDICATED BY THE s, Q_1 AND Q_2 DIMENSIONS.
2. MINIMUM AND MAXIMUM DIMENSIONS BOTH APPLY TO THE MAJOR (LARGEST) DIAMETER ONLY.

TO 51

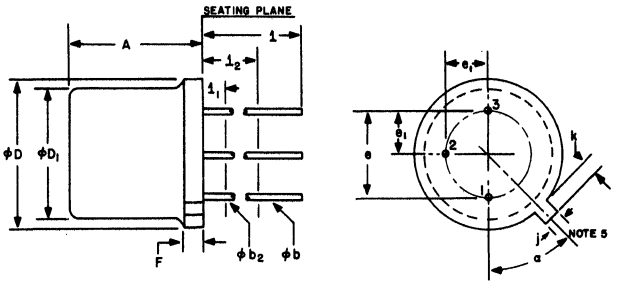


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
b	.015	.028	.381	.711	
c	.003	.005	.076	.127	
ØD	.140	.165	3.56	4.19	2
G	.040	.060	1.02	1.52	
1	.250		6.35		
Q_1		.010		.254	1
Q_2		.025		.635	1
s	.015	.035	.381	.889	1

NOTES:

1. LEADS SHALL EMERGE FROM THE ØD DIMENSION WITHIN THE LIMITS INDICATED BY THE s, Q_1, AND Q_2 DIMENSIONS.
2. MINIMUM AND MAXIMUM DIMENSIONS BOTH APPLY TO THE MAJOR (LARGEST) DIAMETER ONLY.

TO 52

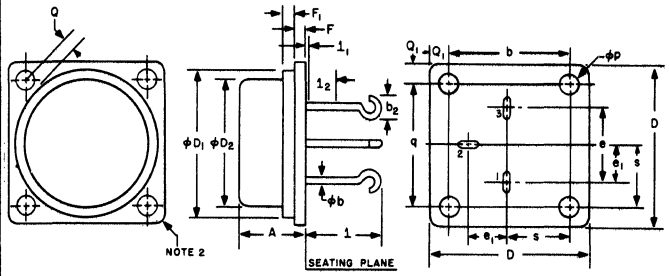


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.115	.150	2.92	3.81	
Øb		.021		.533	1
$Øb_2$	.016	.019	.406	.483	1
ØD	.209	.230	5.31	5.84	
$ØD_1$	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		
F		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
1	.500		12.70		1
1_1		.050		1.27	1
1_2	.250		6.35		
α	45° T.P.				

NOTES:

1. (THREE LEADS) $Øb_2$ APPLIES BETWEEN 1_1 AND 1_2. Øb APPLIES BETWEEN 1_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-2.
5. TAB CENTERLINE.

TO 53

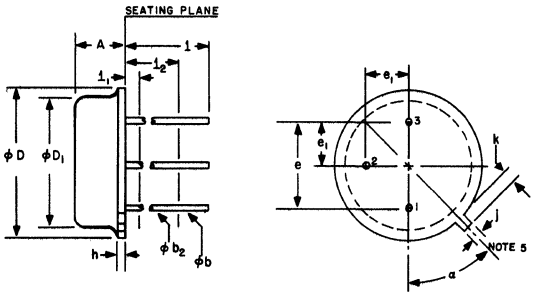


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.305	.355	7.75	9.02	
Øb	.035	.045	.889	1.14	7
b_2	.130	.150	3.30	3.81	7
D	.850	.870	21.59	22.10	
$ØD_1$	.765	.785	19.43	19.94	
$ØD_2$	.670	.680	17.02	17.27	
e	.400 T.P.		10.16 T.P.		3, 4
e_1	.200 T.P.		5.08 T.P.		3, 4
F	.040	.055	1.02	1.40	
F_1	.030	.065	.762	1.65	
1	.370	.420	9.40	10.67	7
1_1	.031		.787		1, 7
1_2	.125		3.18		5
ØP	.096	.106	2.44	2.69	8
q	.670	.690	17.02	17.53	
Q	.075		1.91		6
Q_1	.075	.105	1.91	2.67	
s	.340 T.P.		8.64 T.P.		3, 4

NOTES:

1. LEAD DIAMETER NOT CONTROLLED IN THIS AREA.
2. RADIUS AT CORNERS OF MOUNTING FLANGE OPTIONAL.
3. ANGULAR ORIENTATION OF TERMINAL ENDS AS SHOWN ± 15°.
4. LEADS HAVING MAXIMUM DIAMETER .045" (1.14 MM) MEASURED IN GAGE PLANE .031" (.787 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .010" (.254 MM) OF THEIR TRUE POSITION RELATIVE TO MINIMUM DIAMETER .096" (2.44 MM) HOLES IN THE MOUNTING FLANGE.
5. THE LEADS SHALL BE ESSENTIALLY STRAIGHT WITHIN THIS ZONE.
6. CLEARANCE FROM HOLE CENTERS TO $ØD_1$ FOR MOUNTING FASTENERS.
7. THREE LEADS.
8. FOUR HOLES.

TO 54

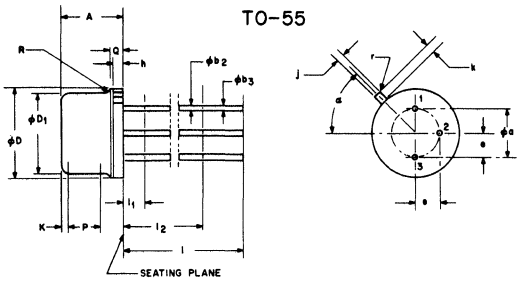


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.050	.060	1.27	1.52	
Øb	.016	.021	.406	.533	1
$Øb_2$	.016	.019	.406	.482	1
ØD	.209	.230	5.31	5.84	
$ØD_1$	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
h		.040		1.02	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
α	45° T.P.		45° T.P.		3

NOTES:

1. (THREE LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION (T.P.) RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .230" (5.84 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN A GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
3. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
5. TAB CENTERLINE.

TO 55



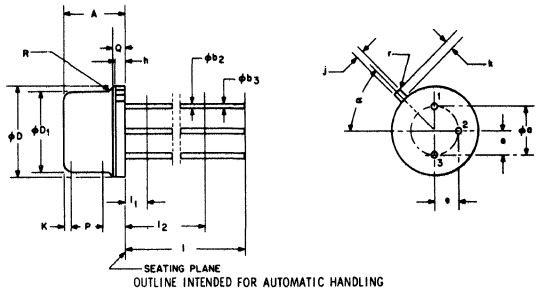
OUTLINE INTENDED FOR AUTOMATIC HANDLING

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.242	0.260	6.15	6.60	
ϕ a	0.200		5.08		4
ϕ b_2	0.016	0.019	0.406	0.483	2
ϕ b_3		0.021		0.53	2
ϕ D	0.358	0.370	9.09	9.40	6
ϕ D_1	0.322	0.335	8.18	8.51	7
e	0.100		2.54		
h	0.009	0.041	0.23	1.04	8
j	0.028	0.034	0.711	0.864	
K	0.010		0.25		
k	0.029	0.045	0.74	1.14	3
l	1.500	1.625	38.1	41.3	2
l_1		0.020		0.51	2
l_2	0.250		6.35		2
P	0.150		3.81		1
Q		0.050		1.27	
R		0.010		0.25	
r		0.007		0.18	
α	45°		45°		5

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED 0.010" (0.25 MM).
2. (3 LEADS) ϕ b_2 APPLIES BETWEEN l_1 AND l_2. ϕ b_3 APPLIES BETWEEN l_2 AND 1.5" FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER (0.019", 0.438 MM) MEASURED IN GAGING PLANE 0.054" + 0.001" - 0.000" (1.372 MM + 0.025 MM - 0.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN 0.007" (0.178 MM) OF THEIR TRUE LOCATIONS RELATIVE TO A MAXIMUM WIDTH TAB.
5. TAB CENTERLINE.
6. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING. CAP FLANGE SHALL NEVER EXTEND BEYOND HEADER PERIPHERY. 0.005" MAX BURR OR WELD FLASH.
7. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING.
8. APPLIES TO THICKNESS OF TAB.

TO 56



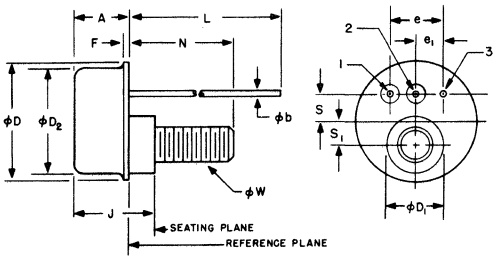
OUTLINE INTENDED FOR AUTOMATIC HANDLING

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.170	0.210	4.32	5.33	
ϕ a	0.100		2.54		4
ϕ b_2	0.016	0.019	0.406	0.483	2
ϕ b_3		0.021		0.53	2
ϕ D	0.209	0.230	5.31	5.84	6
ϕ D_1	0.182	0.192	4.62	4.88	7
e	0.050		1.27		
h	0.005	0.015	0.13	0.38	8
j	0.036	0.046	0.91	1.17	
K	0.010		0.25		
k	0.030	0.046	0.76	1.17	3
l	0.500	0.625	12.7	15.9	2
l_1		0.020		0.51	2
l_2	0.250		6.35		2
P	0.125		3.18		1
Q		0.023		0.58	
R		0.010		0.25	
r		0.007		0.18	
α	45°		45°		5

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED 0.010" (0.25 MM).
2. (3 LEADS) ϕ b_2 APPLIES BETWEEN l_1 AND l_2. ϕ b_3 APPLIES BETWEEN l_2 AND 0.5" FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 0.5" FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER (0.019", 0.438 MM), MEASURED IN GAGING PLANE 0.054" + 0.001" - 0.000" (1.372 MM + 0.025 MM - 0.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN 0.007" (0.178 MM) OF THEIR TRUE LOCATIONS RELATIVE TO MAXIMUM WIDTH TAB.
5. TAB CENTERLINE.
6. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING. CAP FLANGE SHALL NEVER EXTEND BEYOND HEADER PERIPHERY. 0.005" MAX BURR OR WELD FLASH.
7. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING.
8. APPLIES TO THICKNESS OF TAB.

TO 57

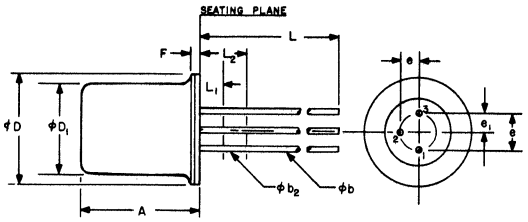


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.195	.215	4.96	5.46	
Øb	.016	.019	.407	.482	1, 4
ØD	.440	.460	11.2	11.6	
$ØD_1$	.220	.230	5.59	5.84	
$ØD_2$	.400	.420	10.2	10.7	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
F		.030		.762	
J	.278	.318	2.11	2.61	
L	1.485	1.525	37.72	38.73	1
N	.380	.410	9.66	10.4	
S	.100 T.P.		2.54 T.P.		4
S_1	.078 T.P.		1.98 T.P.		4
ØW	.1141	.1177	2.895	2.975	2, 3

NOTES:

1. (THREE LEADS), THE SPECIFIED LEAD DIAMETER APPLIES TO THE ZONE BETWEEN .050" (1.27 MM) AND .250" (6.35 MM) FROM THE REFERENCE PLANE. BETWEEN .250" (6.35 MM) AND END OF LEAD, A MAXIMUM OF .021" (.533 MM) IS HELD. OUTSIDE OF THE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.
2. 6-32NC-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER (.1177", 2.98 MM). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28-PART 1.
3. COMPLETE THREADS SHALL EXTEND TO WITHIN THREE THREADS OF THE SEATING PLANE AND SHALL REMAIN WITHIN TOLERANCES TO WITHIN TWO THREADS OF TIP OF STUD.
4. MAXIMUM (.019", .483 MM) DIAMETER LEADS AND MAXIMUM (.230", 5.84 MM) STUD SHOULDER TO BE WITHIN .007" (.178 MM) RADIUS OF TRUE LOCATION RELATIVE TO THE (.460", 11.68 MM) DIAMETER FLANGE AT A GAUGING PLANE .054" (1.37 MM) + .001" (.025 MM), - .000" (.000 MM), FROM THE REFERENCE PLANE.

TO 58

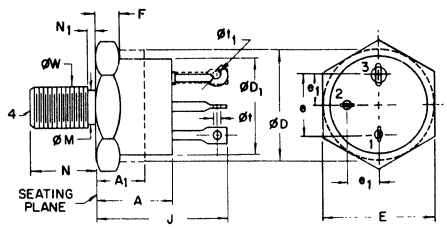


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.320	.350	8.13	8.89	
Øb		.021		.533	1
$Øb_2$	.016	.019	.406	.483	1
ØD	.255	.275	6.48	6.99	
$ØD_1$	.225	.240	5.72	6.10	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	.010	.030	.254	.762	
L	1.500		38.10		1
L_1	.050		1.27		1
L_2		.250		6.35	1

NOTES:

1. (THREE LEADS) $Øb_2$ APPLIES BETWEEN L_1 AND L_2. Øb APPLIES BETWEEN L_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .001" (.025 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION.

TO 59

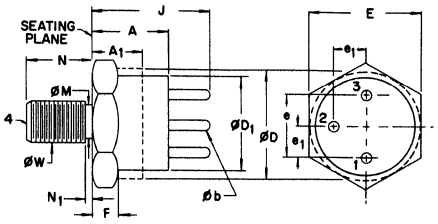


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.320	.468	8.13	11.89	
A_1		.250		6.35	2
ØD	.380	.437	9.65	11.10	2
$ØD_1$	.318	.380	8.08	9.65	
E	.424	.437	10.77	11.10	
e	.185	.215	4.70	5.46	5
e_1	.090	.110	2.29	2.79	5
F	.090	.150	2.29	3.81	1
J	.570	.763	14.48	19.38	
ØM	.163	.189	4.14	4.80	
N	.400	.455	10.16	11.56	
N_1		.078		1.98	
Øt	.040	.065	1.02	1.65	
$Øt_1$	.045	.070	1.14	1.78	4
ØW	.1658	.1697	4.212	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 60

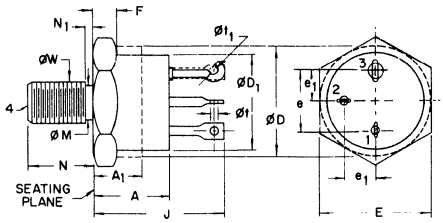


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.215	.320	5.46	8.13	
A_1		.165		4.19	2
Øb	.030	.046	.762	1.17	
ØD	.360	.437	9.14	11.10	2
$ØD_1$	.320	.360	8.13	9.14	
E	.424	.437	10.77	11.10	
e	.185	.215	4.70	5.46	
e_1	.090	.110	2.29	2.79	
F	.090	.135	2.29	3.43	1
J	.355	.480	9.02	12.19	
ØM	.163	.189	4.14	4.80	
N	.375	.455	9.53	11.56	
N_1		.078		1.98	
ØW	.1658	.1697	4.212	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).

TO 61

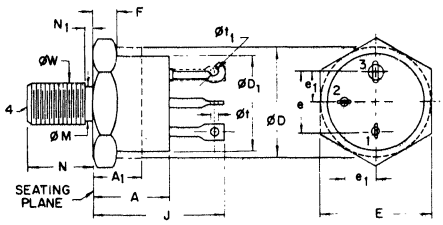


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.325	.460	8.26	11.68	
A_1		.270		6.86	2
ØD	.610	.687	15.49	17.45	2
$ØD_1$	.570	.610	14.48	15.49	
E	.667	.687	16.94	17.45	
e	.340	.415	8.64	10.54	5
e_1	.170	.213	4.32	5.41	5
F	.090	.150	2.29	3.81	1
J	.640	.875	16.26	22.23	
ØM	.220	.249	5.59	6.32	
N	.422	.455	10.72	11.56	
N_1		.090		2.29	
Øt	.047	.072	1.19	1.83	
$Øt_1$	.046	.077	1.17	1.96	4
ØW	.2225	.2268	5.651	5.761	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 1/4-28 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 62

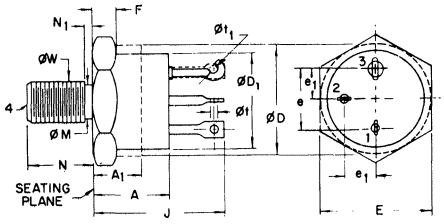


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.360	.434	9.14	11.02	
A_1		.270		6.86	2
ØD	.430	.562	10.92	14.27	2
$ØD_1$	.410	.430	10.41	10.92	
E	.544	.562	13.82	14.27	
e	.235	.265	5.97	6.73	5
e_1	.115	.135	2.92	3.43	5
F	.090	.150	2.29	3.81	1
J	.687	.737	17.45	18.72	
ØM	.163	.189	4.14	4.80	
N	.403	.498	10.24	12.65	
N_1		.078		1.98	
Øt	.042	.071	1.07	1.80	
$Øt_1$	.046	.069	1.17	1.75	4
ØW	.1658	.1697	4.211	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 63

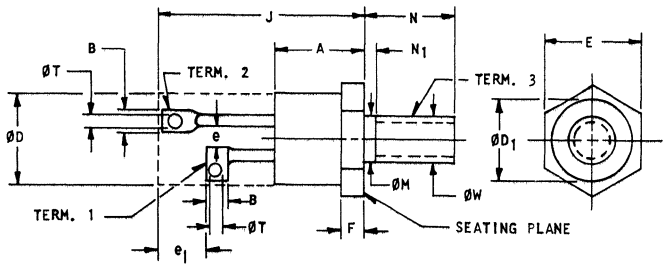


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.480	.535	12.19	13.59	
A_1		.300		7.62	2
ØD	.775	.875	19.69	22.23	2
$ØD_1$	.745	.775	18.92	19.69	
E	.855	.875	21.72	22.23	
e	.485	.515	12.32	13.08	5
e_1	.240	.260	6.10	6.60	5
F	.090	.167	2.29	4.24	1
J	.937	1.030	23.80	26.16	
ØM	.278	.312	7.06	7.92	
N	.460	.495	11.68	12.57	
N_1		.105		2.67	
Øt	.060	.105	1.52	2.67	
$Øt_1$	.060	.105	1.52	2.67	4
ØW	.2806	.2854	7.127	7.249	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 5/16-24 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 64

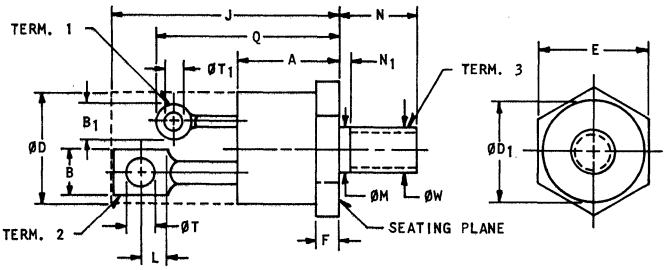


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.400	7.62	10.16	
B	.080	.136	2.03	3.45	1
ØD		.424		10.77	2
$ØD_1$	.400		10.16		3, 4
E	.424	.437	10.77	11.10	
e	.013		.330		7
e_1	.060		1.52		5
F	.060	.175	1.52	4.45	4
J	.700	.855	17.78	21.72	2
ØM	.163	.189	4.14	4.80	
N	.400	.453	10.16	11.51	
N_1		.078		1.98	
ØT	.040	.075	1.02	1.91	
ØW	.1658	.1697	4.212	4.310	6

NOTES:

1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE OPTIONAL.
2. THE OUTLINE CONTOUR (WITH EXCEPTION OF HEXAGON) IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND J.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
5. MINIMUM DIFFERENCE IN TERMINAL LENGTHS TO ESTABLISH DATUM LINE FOR NUMBERING TERMINALS.
6. PITCH DIAMETER - THREAD 10-32 NF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK 1957 H28.
7. MINIMUM SPACING BETWEEN TERMINALS.

TO 65

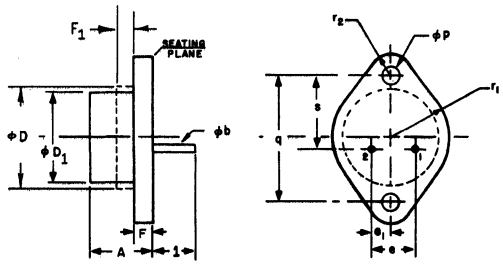


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.565	7.62	14.35	
B	.200	.300	5.08	7.62	1
B_1	.100	.140	2.54	3.56	1
ØD		.667		16.94	2
$ØD_1$	.600		15.24		3, 4
E	.667	.687	16.94	17.45	
F	.113	.200	2.87	5.08	4
J	1.000	1.250	25.40	31.75	2
L	.120		3.05		6
ØM	.220	.249	5.59	6.32	
N	.422	.453	10.72	11.51	
N_1		.090		2.29	
Q	.700	.885	17.78	22.48	
ØT	.125	.165	3.18	4.19	
$ØT_1$	.055	.075	1.40	1.91	
ØW	.2225	.2268	5.652	5.760	5

NOTES:

1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE OPTIONAL.
2. THE OUTLINE CONTOUR (WITH EXCEPTION OF HEXAGON) IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND J.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
5. PITCH DIAMETER - THREAD 1/4-28 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK 1957 H28.
6. MINIMUM FLAT.

TO 66

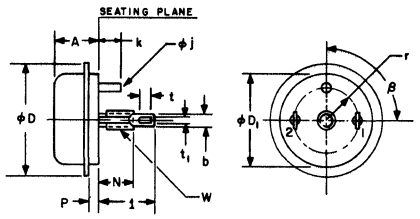


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.340	6.35	8.64	
Øb	.028	.034	.711	.863	
ØD		.620		15.75	
$ØD_1$	.470	.500	11.94	12.70	
e	.190	.210	4.83	5.33	
e_1	.093	.107	2.36	2.72	
F	.050	.075	1.27	1.91	2
F_1		.050		1.27	1
l	.360		9.14		
Øp	.142	.152	3.61	3.86	
q	.958	.962	24.33	24.43	
r_1		.350		8.89	
r_2		.145		3.68	
s	.570	.590	14.48	14.99	

NOTES:

1. THE OUTLINE CONTOUR IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND F_1.
2. DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 67

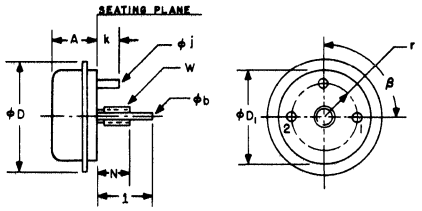


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.275	.500	6.99	12.70	
b	.100	.185	2.54	4.70	
ØD		1.250		31.75	
$ØD_1$	.990	1.010	25.15	25.65	1
Øj	.090	.140	2.29	3.56	4
k	.100	.312	2.54	7.92	4
l	.610	.710	15.49	18.03	
N	.375	.500	9.53	12.70	
P	.050		1.27		
r	.335	.355	8.51	9.02	1
t	.120	.145	3.05	3.68	
t_1	.070	.120	1.78	3.05	
W	.1658	.1697	4.212	4.310	2, 3
β	85°	95°	85°	95°	1

NOTES:

1. MEASURED AT SEATING PLANE.
2. COMPLETE THREADS TO EXTEND TO WITHIN 3-1/2 THREADS OF SEATING PLANE.
3. PITCH DIAMETER OF 10-32 NF-2A (COATED) THREADS. (ASA B1.1-1960)
4. MECHANICAL INDEX.

TO 68

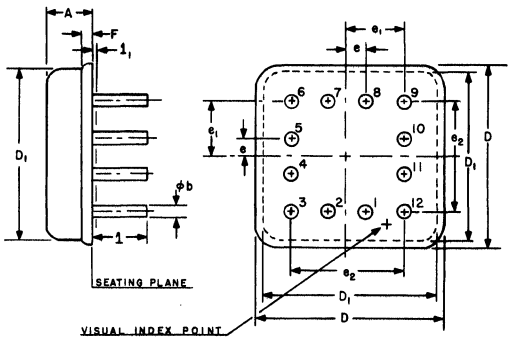


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.275	.500	6.99	12.70	
Øb	.040	.095	1.02	2.41	
ØD		1.250		31.75	
$ØD_1$	.990		25.15		1
Øj	.090	.140	2.29	3.56	4
k	.100	.312	2.54	7.92	4
l	.610	.710	15.49	18.03	
N	.375	.500	9.53	12.70	
r	.335	.355	8.51	9.02	1
W	.1658	.1697	4.212	4.310	2, 3
β	85°	95°	85°	95°	1

NOTES:

1. MEASURED AT SEATING PLANE.
2. COMPLETE THREADS TO EXTEND TO WITHIN 3-1/2 THREADS OF SEATING PLANE.
3. PITCH DIAMETER OF 10-32 NF-2A (COATED) THREADS. (ASA B1.1-1960)
4. MECHANICAL INDEX.

TO 69

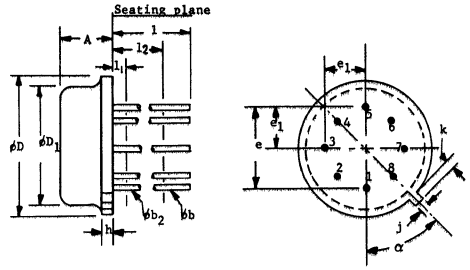


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.075	.085	1.905	2.159	
Øb	.016	.019	.406	.483	2
D	.295	.305	7.49	7.75	
D_1	.275	.285	6.99	7.24	
e	.033 T.P.		.838 T.P.		1
e_1	.098 T.P.		2.49 T.P.		1
e_2	.195 T.P.		4.95 T.P.		1
F	.030	.050	.762	1.270	
l	.070		1.78		
l_1		.025		.635	2

NOTES:

1. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .025" (.635 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS.
2. LEAD THICKNESS UNCONTROLLED IN THIS ZONE.

TO 70

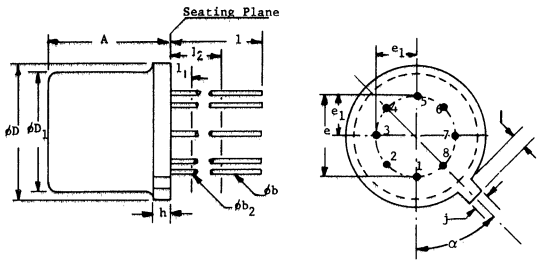


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.240	.270	6.10	6.86	
$ØD_1$	.205	.240	5.21	6.10	
e	.141 T.P.		3.58 T.P.		4
e_1	.071 T.P.		1.80 T.P.		4
h		.040		1.02	
j	.015	.025	.381	.635	
k	.015	.025	.381	.635	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 71

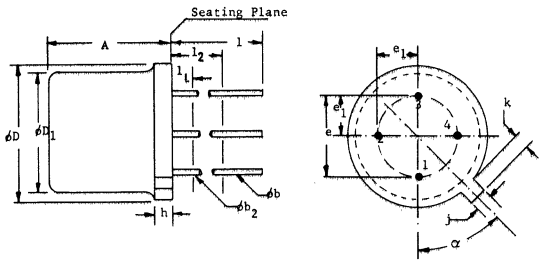


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.209	.230	5.31	5.84	
$ØD_1$	.175	.195	4.45	4.95	
e	.100 T.P.		2.54 T.P.		4
e_1	.050 T.P.		1.27 T.P.		4
h		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 72

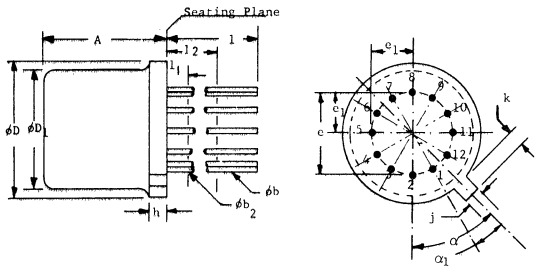


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.209	.230	5.31	5.84	
$ØD_1$	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		4
e_1	.050 T.P.		1.27 T.P.		4
h		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (FOUR LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "NONE" (0). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR OR LINEAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 73

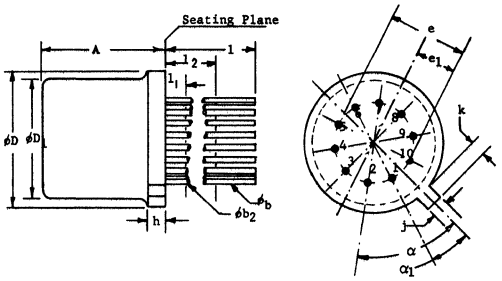


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6
$α_1$	15° T.P.		15° T.P.		4, 6

NOTES:

1. (TWELVE LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 74

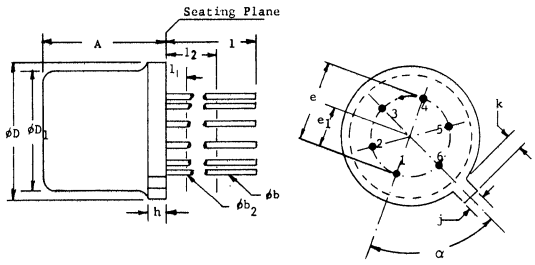


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
øb2	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
øD1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l1		.050		1.27	2
l2	.250		6.35		2
α	54° T.P.		54° T.P.		4, 6
α1	18° T.P.		18° T.P.		4, 6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 75

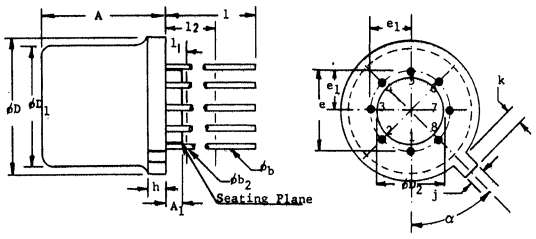


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
øb2	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
øD1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l1		.050		1.27	2
l2	.250		6.35		2
α	60° T.P.		60° T.P.		4, 6

NOTES:

1. (SIX LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 76

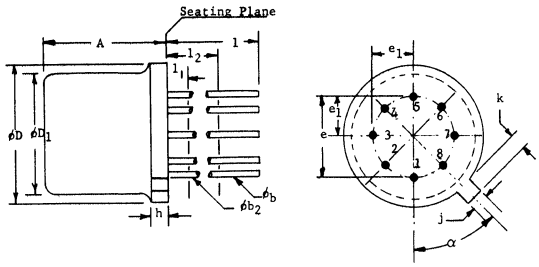


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
A1	.010	.040	.254	1.02	
øb	.016	.021	.406	.533	2
øb2	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
øD1	.305	.335	7.75	8.51	
øD2	.140	.160	3.56	4.06	
e	.200 T.P.		5.08 T.P.		4
e1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l1		.050		1.27	2
l2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 77

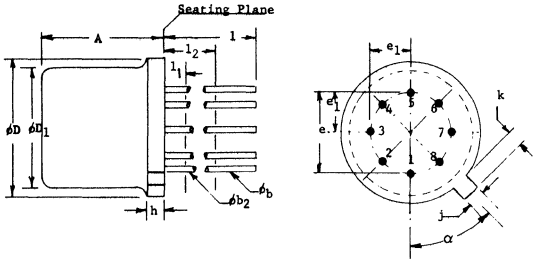


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
øb2	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
øD1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l1		.050		1.27	2
l2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR OR LINEAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 78

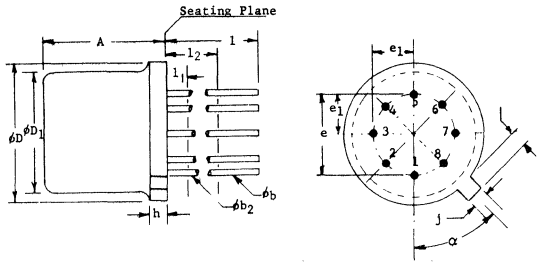


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 79

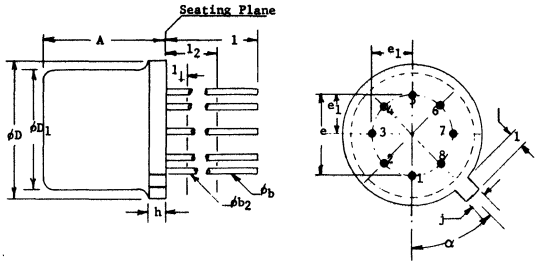


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.160	3.56	4.06	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 80

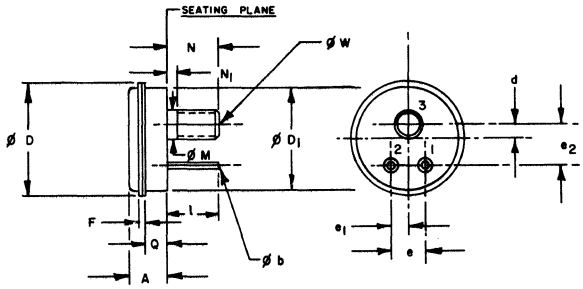


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.085	.105	2.16	2.67	2
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 81

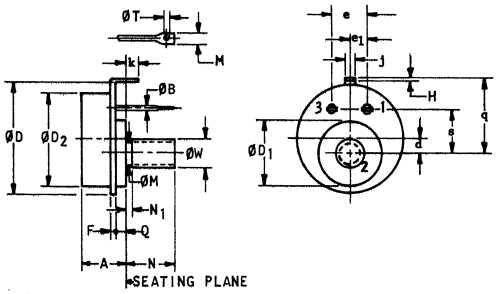


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.380	.415	9.78	10.54	
Øb	.055	.071	1.40	1.80	
ØD	1.230	1.300	31.25	33.02	
$ØD_1$	1.125	1.135	28.68	28.93	1
d	.151	.161	3.84	4.08	1
e	.370	.382	9.40	9.71	1
e_1	.182	.192	4.63	4.87	1
e_2	.435	.450	11.05	11.44	1
F		.065		1.65	
l	.500		12.70		
ØM	.276	.312	7.07	7.92	
N	.545	.575	13.85	14.60	
N_1		.107		2.71	3
Q	.227	.243	5.77	6.17	
ØW	.2806	.2854	7.13	7.24	2

NOTES:

1. MEASURED AT SEATING PLANE.
2. PITCH DIAMETER OF 5/16-24 UNF-2A (COATED) THREAD (ASA B1.1-1960).
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS.

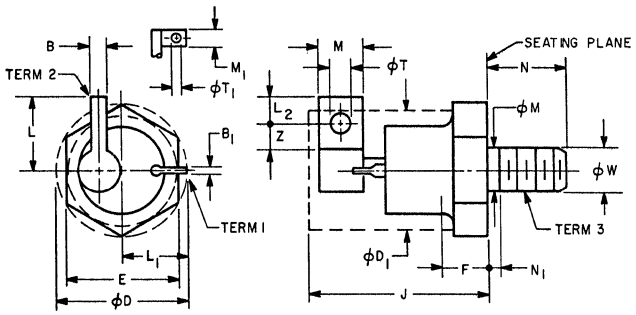
TO 82



SYM.	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.500	.560	12.70	14.22	
ØB	.045	.060	1.15	1.52	5
d	.140	.170	3.56	4.31	
ØD	1.240	1.280	31.50	32.51	
$ØD_1$	.730	.770	18.55	19.55	
$ØD_2$	—	1.125	—	28.57	
e	.360	.400	9.15	10.16	
e1	.180	.200	4.58	5.08	
F	.035	.060	.89	1.52	
k	.130	.190	3.31	4.82	
J	.140	.170	3.56	4.31	
H	.014	.025	.36	.60	
M	.090	.110	2.29	2.79	1
ØM	.278	.312	7.07	7.92	
N	.550	.580	13.97	14.73	
N_1	—	.107	—	2.71	2
q	.810	.850	20.58	21.59	
Q	.110	.140	2.80	3.55	5
s	.480	.520	12.20	13.20	1
ØT	.050	.070	1.27	1.77	4
ØW	.2806	.2854	7.128	7.249	3

NOTES-
1-CONTOUR AND ORIENTATION OF TERMINAL FLATS ARE UNDEFINED.
2-LENGTH OF INCOMPLETE OR UNDERCUT THREADS.
3-PITCH DIA. OF 5/16-24 UNF-2A (COATED) THREADS (ASA B1.1).
4-DIA. OF HOLE OR WIDTH OF SLOT OUT EITHER SIDE OF TERMINALS.
5-LEAD DIAMETER UNCONTROLLED ABOVE THE SEATING PLANE.

TO 83

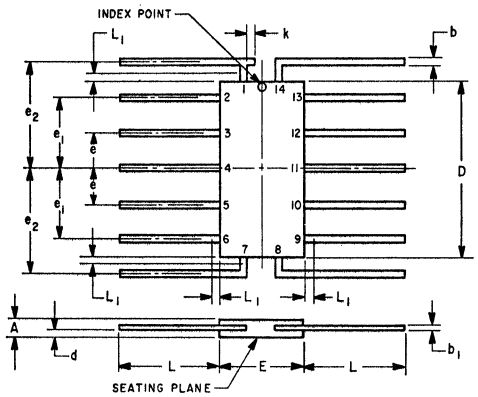


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
B	.060	.115	1.53	2.92	1
B_1	.012	.050	.31	1.27	1
ØD	-	1.227	-	31.16	-
$ØD_1$	-	1.031	-	26.18	2
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	3
J	-	1.810	-	45.97	2
L	-	.650	-	16.51	2
L_1	-	.575	-	14.60	2
L_2	.180	-	4.58	-	-
M	.360	.470	9.2	11.9	1
M_1	.115	.160	2.93	4.06	1
ØM	.425	.499	10.80	12.67	4
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	4
ØT	.180	.260	4.58	6.60	-
$ØT_1$	.060	.080	1.53	2.03	-
ØW	.4619	.4675	11.733	11.874	5
Z	.180	-	4.58	-	6

NOTES:
1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE UNDEFINED.
2. THE BODY AND TERMINALS OF THE DEVICE, WITH THE EXCEPTION OF THE EXTENDED LUG LENGTH L AND L1, LIES WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF THE HEXAGONAL PORTIONS IS OPTIONAL.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
5. PITCH DIA. OF 1/2-20 UNF -2A (COATED) THREADS (ASA B1.1-1960).
6. MINIMUM FLAT.

TO 84

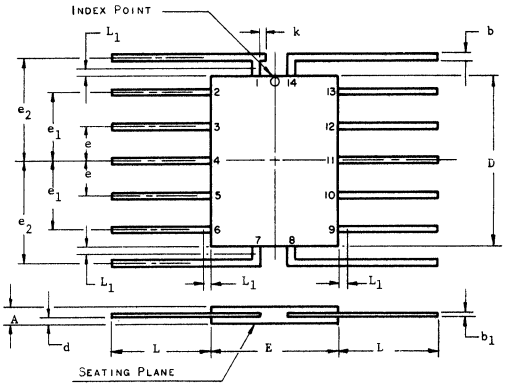


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.070	.77	1.77	-
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.260	6.10	6.60	-
d	.005	.035	.13	.88	-
E	.135	.155	3.43	3.93	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.38	5
L	.070	-	1.78	-	-
L_1	-	.015	-	.38	1

NOTES:
1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030" (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL.

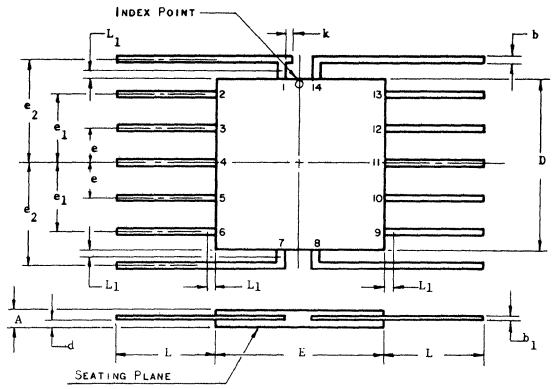
TO 85



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTE
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.275	6.10	6.98	
d	.005	.035	.127	.889	
E	.160	.185	4.07	4.69	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.381	5
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:
1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL

TO 86

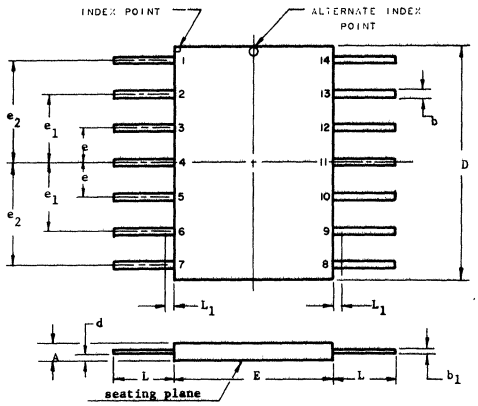


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN.	MAX.	MIN.	MAX.	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.275	6.10	6.98	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.381	5
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL

TO 87

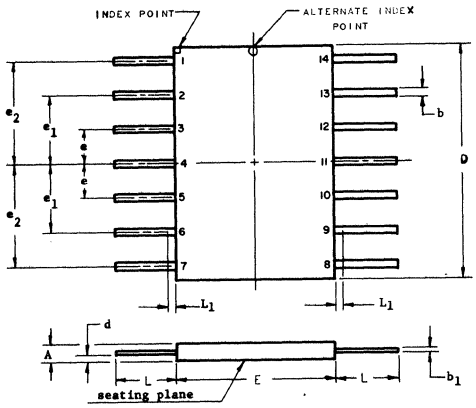


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.360	.410	9.15	10.41	
d	.005	.035	.127	.889	
E	.240	.275	6.10	6.98	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
e_2	.145	.155	3.69	3.93	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 88

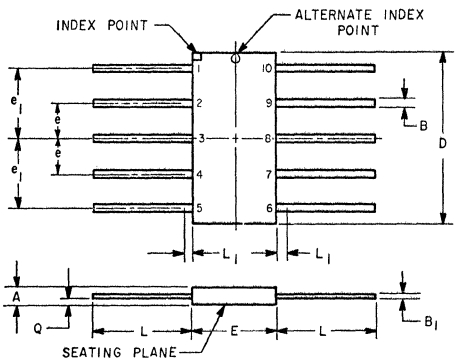


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.330	.350	8.38	8.89	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
e_2	.145	.155	3.69	3.93	2,3
L	.070	-	1.78	-	
L_1	-	.015		.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 89



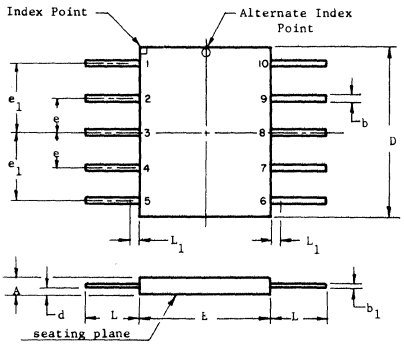
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.030	.070	.77	1.77	-
B	.010	.019	.254	.482	1
B_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	-
E	.135	.155	3.43	3.93	-
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	-
L_1	-	.015	-	.381	1
Q	.005	.035	.127	.889	-

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 90

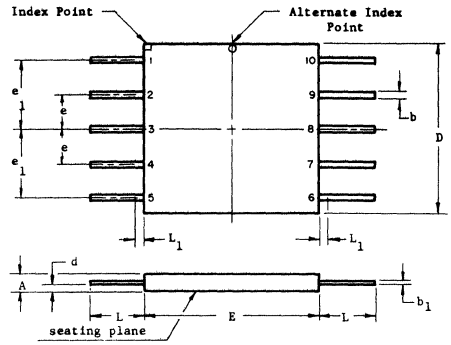


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	
d	.005	.035	.127	.889	
E	.160	.185	4.07	4.69	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. Lead Dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
2. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
3. Lead spacing shall be measured within .030 (.762 mm) from the point of emergence from the body.

TO 91

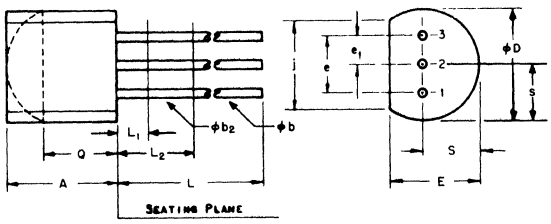


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. Lead Dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
2. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
3. Lead spacing shall be measured within .030 (.762 mm) from the point of emergence from the body.

TO 92

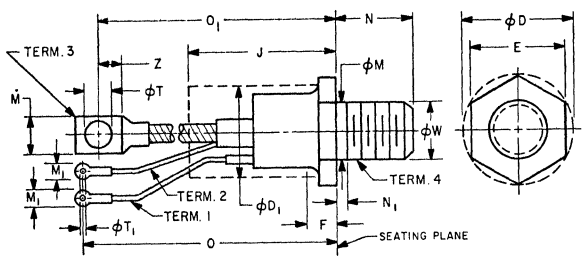


SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.170	.210	4.58	5.33	
Øb	.016	.021	.407	.533	1, 3
$Øb_2$	.016	.019	.407	.482	3
ØD	.175	.205	4.96	5.20	
E	.125	.165	3.94	4.19	
e	.095	.105	2.42	2.66	
e_1	.045	.055	1.15	1.39	
j	.135		3.43		
L	.500		12.70		1, 3
L_1		.050		1.27	3
L_2	.250		6.35		3
Q	.115		2.93		2
S	.080	.105	2.42	2.66	

NOTES:

1. THREE LEADS
2. CONTOUR OF THE PACKAGE BEYOND THIS ZONE IS UNCONTROLLED.
3. (THREE LEADS) $Øb_2$ APPLIES BETWEEN L_1 AND L_2. Øb APPLIES BETWEEN L_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.

TO 93



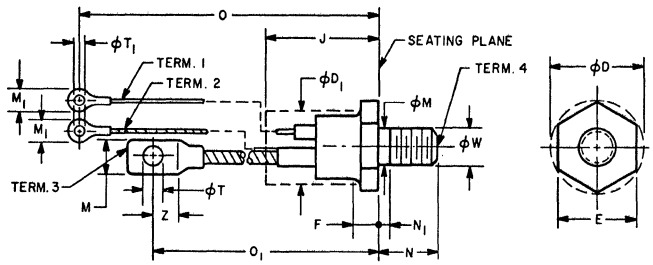
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
ØD	-	1.443	-	36.65	-
$ØD_1$	-	1.212	-	30.78	1
E	1.212	1.250	30.79	31.75	-
F	.230	1.000	5.9	25.4	5
J	-	3.625	-	92.07	1,7
M	.530	.755	13.5	19.1	2
ØM	.660	.749	16.77	19.02	3
M_1	.215	.300	5.47	7.62	2,8
N	1.047	1.077	26.60	27.35	-
N_1	-	.156	-	3.96	3
O	7.350	8.100	186.7	205.7	-
O_1	7.350	8.100	186.7	205.7	-
ØT	.260	.350	6.61	8.89	-
$ØT_1$	.140	.155	3.56	3.93	-
ØW	.7029	.7094	17.854	18.018	4
Z	.340	-	8.64	-	6

NOTES:

1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN $ØD_1$ AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
4. PITCH DIAMETER OF 3/4-16UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 94



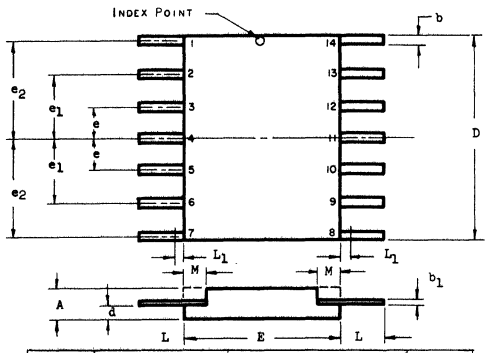
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD	-	1.227	-	31.16	-
$ØD_1$	-	1.031	-	26.18	1
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	5
J	-	2.500	-	63.50	1,7
M	.437	.650	11.1	16.5	2
ØM	.425	.499	10.80	12.67	3
M_1	.215	.300	5.49	7.62	2,8
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	3
O	6.850	7.500	174.0	190.5	-
O_1	5.775	6.265	146.7	159.1	-
ØT	.260	.310	6.61	7.87	-
$ØT_1$	.140	.150	3.56	3.81	-
ØW	.4619	.4675	11.733	11.874	4
Z	.250	-	6.35	-	6

NOTES:

1. THE DEVICE WITH THE EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSION LIES WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGONAL PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
4. PITCH DIAMETER OF 1/2-20 UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEADS BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERM 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 95

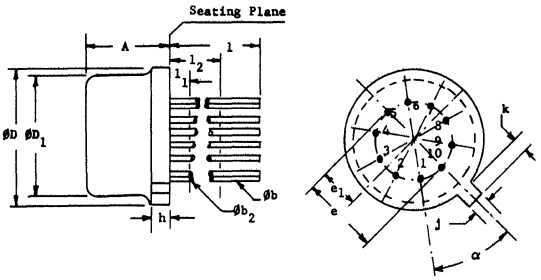


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	
b_1	.003	.006	.077	.152	
D	.308	.329	7.83	8.35	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2, 3
e_1	.095	.105	2.42	2.66	2, 3
e_2	.145	.155	3.69	3.93	2, 3
L	.070		1.78		
L_1		.015		.381	1
M		.040		1.01	4

NOTES:

1. LEAD DIMENSION UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030" (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.
4. IRREGULARITY IN BODY OUTLINE NOT CONTROLLED IN THIS ZONE.

TO 96

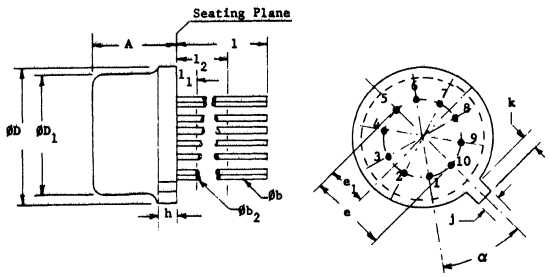


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		7.62		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 and l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 97

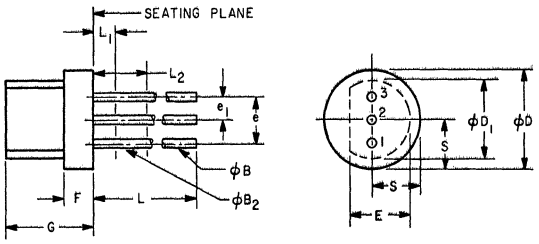


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.160	3.56	4.06	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		7.62		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 98



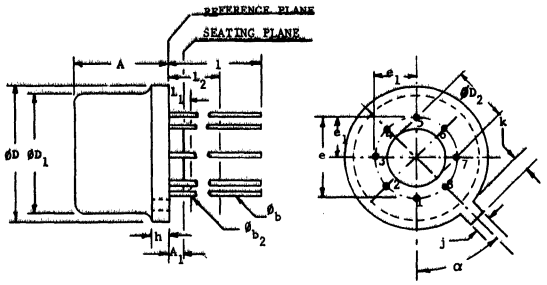
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD	.195	.205	4.96	5.20	-
$ØD_1$	.165	.190	4.20	4.82	-
ØB	.016	.021	.407	.533	1
$ØB_2$	.016	.019	.407	.482	-
E	.110	.140	2.80	3.55	-
e	.095	.105	2.42	2.66	-
e_1	.045	.055	1.15	1.39	-
F	.055	.075	1.40	1.90	-
G	.200	.265	5.08	6.73	-
L	.500	-	12.70	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
S	.090	.105	2.28	2.66	-

NOTES:

1. (THREE LEADS) $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1 AND BEYOND .5" (12.70MM) FROM SEATING PLANE.

TO 99

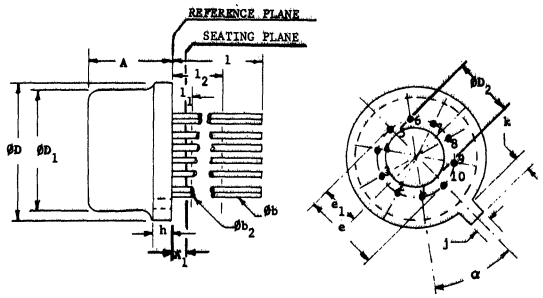


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
$Øb_1$	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
$ØD^2$	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2$	.140	.160	3.56	4.06	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h^1		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4,6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 and l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 and BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 100

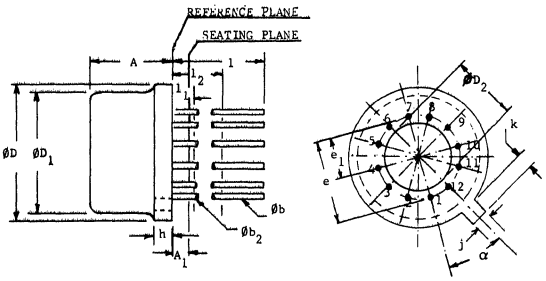


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2$	.140	.160	3.56	4.06	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h^1		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 and .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 and BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 101

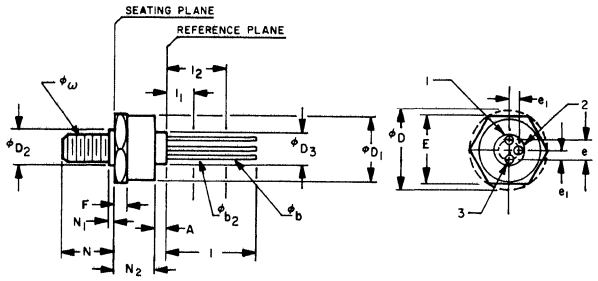


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
Øb	.016	.021	.406	.533	2
Øb2	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2$	.140	.160	3.56	4.06	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h^1		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	30° T.P.		30° T.P.		4,6

NOTES:

1. (TWELVE LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM)MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 102

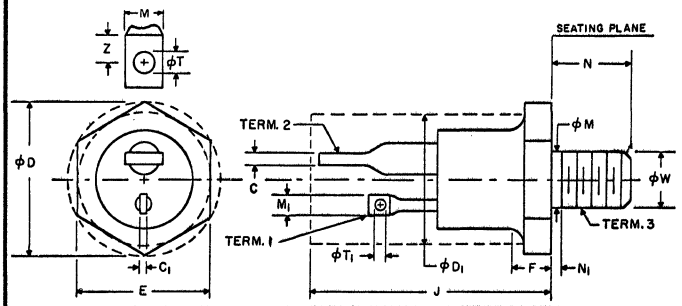


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.045	.060	1.14	1.52	
Øb	.016	.021	.406	.533	1
$Øb_2$	.016	.019	.406	.483	1
ØD	.413	.433	10.49	11.00	
$ØD_1$	.350	.360	8.89	9.14	
$ØD_2$	.175	.190	4.45	4.83	
$ØD_3$	.162	.169	4.11	4.29	
E	.362	.375	9.19	9.53	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	.065	.070	1.65	1.78	3
l	.500		12.70		
l_1		.050		1.27	
l_2	.250		6.35		
N	.265	.292	6.73	7.42	
N_1	.020	.035	.508	.889	
N_2	.210	.225	5.33	5.72	
ØW	.1141	.1177	2.898	2.990	4

NOTES:

1. (THREE LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND l. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
4. PITCH DIAMETER OF 6-32 UNC-2A (COATED) THREADS. (ASA B1.1-1960).

TO 103

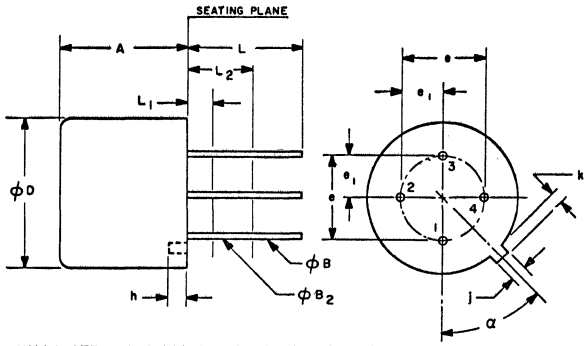


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
C	.065	.100	1.66	2.54	1,7
C_1	.025	.075	.64	1.90	1,7
ØD	-	.866	-	21.99	
$ØD_1$	-	.728	-	18.49	2
E	.728	.750	18.50	19.05	
F	.125	.205	3.18	5.20	3
J	1.200	1.560	30.48	39.62	2
M	.220	.375	5.59	9.52	1,7
M_1	.125	.187	3.18	4.75	1,7
ØM	.280	.310	7.12	7.87	
N	.485	.515	12.32	13.08	
N_1	-	.100	-	2.54	4
$ØT$	.140	.155	3.56	3.93	
$ØT_1$	.050	.070	1.27	1.77	
ØW	.2806	.2854	7.127	7.249	5
Z	.140	-	3.56	-	6

NOTES:

1. CONTOUR AND ANGULAR ORIENTATION OF FIXED TERMINAL LUGS ARE UNDEFINED.
2. THE BODY AND TERMINALS OF THE DEVICE LIE WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF THE HEXAGONAL PORTION IS OPTIONAL.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM
5. PITCH DIAMETER OF 5/16-24 UNF-2A (COATED) THREADS (ASA B1.1-1960)
6. MINIMUM FLAT.
7. POSITION OF TERMINALS 1 AND 2 IN RELATION TO HEXAGON IS NOT CONTROLLED.

TO 104



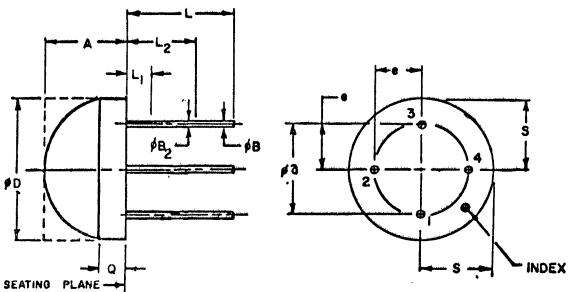
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ØB	.016	.021	.407	.533	2
$ØB_2$	.016	.019	.407	.482	2
ØD	.220	.240	5.59	6.10	
e	.100 T.P.		2.54 T.P.		1, 3
e_1	.050 T.P.		1.27 T.P.		1, 3
h	-	.030	-	.76	
j	.036	.046	.92	1.16	
k	.028	.048	.72	1.21	4
L	.500	-	12.70	-	2
L_1	-	.050	-	1.27	2
L_2	.250		6.35	-	2
α	45° T.P.		—		

NOTES:

1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. $øB_2$ APPLIES BETWEEN L_1 AND L_2. øB APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
3. LEADS HAVING MAXIMUM DIAMETER .019 "(.482MM) MEASURED IN GAGING PLANE .054" (1.372MM)+.001" (.025MM)-.000 "(.000MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.177MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM WIDTH TAB.
4. MEASURED FROM ACTUAL MAXIMUM DIAMETER OF øD.

TO 105



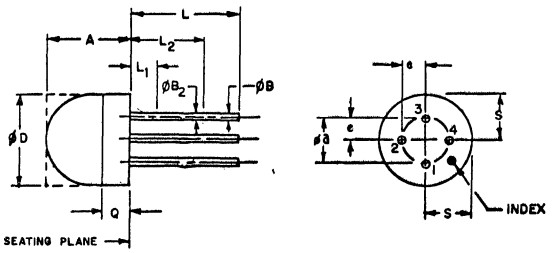
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.240	3.1	6.0	
ø a	.190	.210	4.83	5.33	
ø B	.016	.021	.407	.533	1, 2
$ø B_2$	.016	.019	.407	.482	1, 2
ø D	.305	.325	7.75	8.25	
e	.090	.110	2.29	2.79	
L	.500	--	12.70	--	1, 2
L_1	--	.050	--	1.27	1, 2
L_2	.250	--	6.35	--	1, 2
Q	.060	--	1.53	--	3
S	.145	.165	3.69	4.19	

NOTES:

1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. $øB_2$ APPLIES BETWEEN L_1 and L_2. øB APPLIES BETWEEN L_2 and L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE IS OPTIONAL, BUT MUST BE WITHIN øD AND A.
4. VISUAL OR MECHANICAL INDEX IS OPTIONAL IF ONE LEAD IS OMITTED.

TO 106

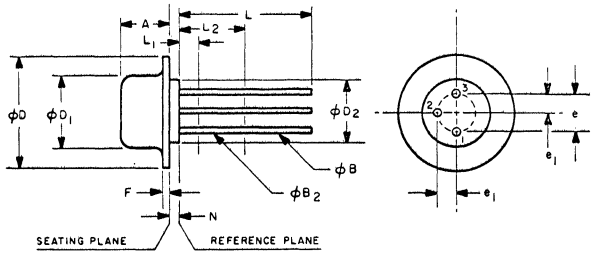


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.240	3.1	6.0	
Øa	.095	.105	2.42	2.66	
ØB	.016	.021	.407	.533	1, 2
$ØB_2$	.016	.019	.407	.482	1, 2
ØD	.192	.222	4.88	5.63	
e	.045	.055	1.15	1.39	
L	.500	--	12.70	--	1, 2
L_1	--	.050	--	1.27	1, 2
L_2	.250	--	6.35	--	1, 2
Q	.060	--	1.53	--	3
S	.090	.115	2.29	2.92	

NOTES:
1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. $ØB_2$ APPLIES BETWEEN L_1 and L_2. ØB APPLIES BETWEEN L_2 and L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE IS OPTIONAL, BUT MUST BE WITHIN ØD AND A.
4. VISUAL OR MECHANICAL INDEX IS OPTIONAL IF ONE LEAD IS OMITTED

TO 107

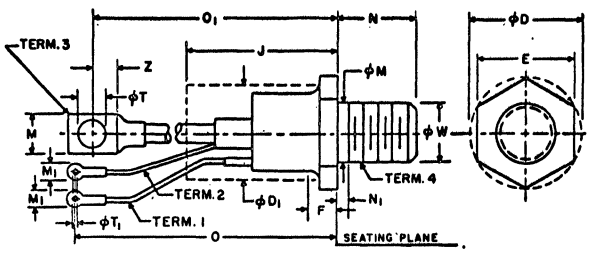


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.105	.135	2.67	3.42	
Ø B	.016	.021	.407	.533	1
$Ø B_2$	.016	.019	.407	.482	1
Ø D	.320	.350	8.13	8.89	
$Ø D_1$	.200	.215	5.08	5.46	
$Ø D_2$	.160	.170	4.07	4.32	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	-	.030	-	.76	
N	.045	.060	1.15	1.52	
L	.500	-	12.70	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1

NOTES:
1. Ø B_2 APPLIES BETWEEN L_1 AND L_2. Ø B APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.482 MM) MEASURED IN GAGING PLANE .054" (1.38 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE DEVICE SHALL BE WITHIN .007" (.177 MM) OF THEIR TRUE POSITIONS.

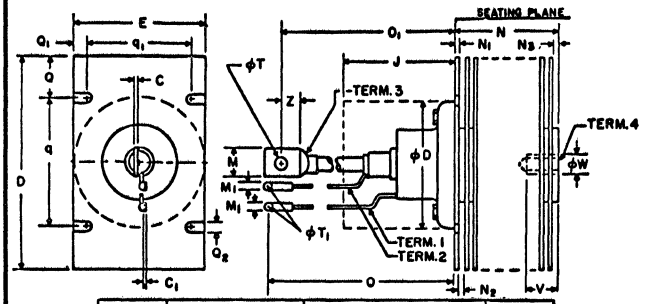
TO 108



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD		1.949		49.50	
$ØD_1$		1.631		41.42	1
E	1.631	1.688	41.43	42.87	
F	.250	.500	6.35	12.70	5
J		4.000		101.60	1,7
M	.735	1.000	18.67	25.40	2
M_1	.218	.328	5.54	8.33	2,8
ØM	.880	.999	22.36	25.37	
N	1.375	1.535	34.93	38.98	
N_1		.250		6.35	3
O	9.640	10.140	244.86	257.55	
O_1	9.400	9.780	238.76	248.41	
ØT	.320	.448	8.13	11.37	
$ØT_1$	.140	.172	3.56	4.36	
ØW	.9382	.9459	23.831	24.025	4
Z	.375		9.53		6

NOTES:
1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN ØD1.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM
4. PITCH DIAMETER OF 1-12 UNF-2A (COATED) THREADS (ASA B1.1-1960)
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

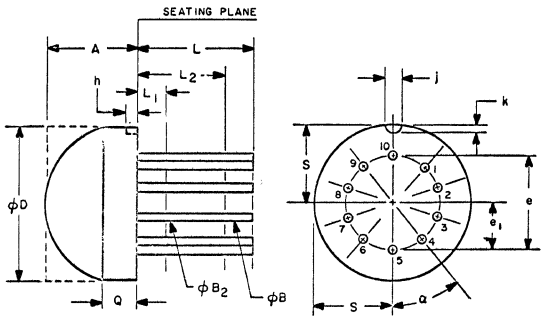
TO 109



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
C	.100	.200	2.54	5.08	1
C_1	.020	.040	.51	1.02	1
D	4.937	5.063	125.40	128.60	
ØD		3.270		83.05	2
E	3.937	4.063	100.00	103.20	
J		4.000		101.60	2,3
M	.735	1.000	18.67	25.40	1
M_1	.218	.320	5.54	8.12	1,6
N		2.130		54.10	
N_1	.125	.220	3.18	5.58	
N_2	.140		3.56		7
N_3	.080		2.04		
O	9.400	10.250	238.76	260.35	
O_1	9.150	10.141	232.41	257.58	
Q	.968	1.031	24.59	26.18	
Q_1	.468	.531	11.89	13.48	
Q_2	.312	.384	7.93	9.75	
q	2.968	3.031	75.39	76.98	
q_1	2.968	3.031	75.39	76.98	
ØT	.320	.448	8.13	11.37	
$ØT_1$	.140	.172	3.56	4.36	
V	.750		19.05		
ØW	.4675	.4731	11.873	12.016	5
Z	.375		9.52		4.

NOTES:
1. CONTOUR AND ORIENTATION OF TERMINAL LUGS ARE UNDEFINED.
2. THE BODY OF THE DEVICE WITH THE EXCEPTION OF HEATSINK AND FLEXIBLE LEADS LIES WITHIN ØD.
3. SEATED HEIGHT WITH THE LEAD BENT AT RIGHT ANGLES.
4. MINIMUM FLAT.
5. PITCH DIAMETER OF THREADS - 1/2 - 20 UNF 2B (ASA B1.1-1960)
6. PARALLEL, TWISTED OR COAXIAL FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS. COAXIAL SHIELDED LEAD HAS SHIELD AS TERMINAL 2.
7. WHEN DIMENSIONS LESS THAN .180 (4.58 MM) ARE USED, CLEARANCE IN THE SECOND PIN WILL BE PROVIDED.

TO 110



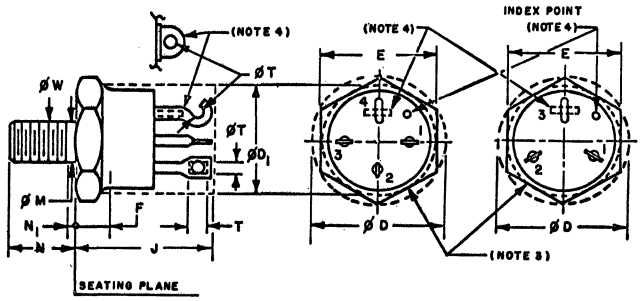
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.240	3.1	6.0	
Ø B	.016	.021	.407	.533	1, 2
Ø B_2	.016	.019	.407	.482	1, 2
Ø D	.310	.330	7.88	8.38	
e	.195	.205	4.96	5.20	
e_1	.098	.102	2.490	2.590	
h	.015	.040	.39	1.01	
j	.025	.050	.64	1.27	
k	.010	.030	.26	.76	
L	.500	-	12.70	-	1, 2
L_1	-	.050	-	1.27	1, 2
L_2	.250	-	6.35	-	1, 2
S	.145	.165	3.69	4.19	
Q	.060	-	1.53	-	3
α	36° T.P.		36° T.P.		

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS THAT CAN BE OMITTED IN THIS OUTLINE, ONE (1).
2. Ø B_2 APPLIES BETWEEN L_1 AND L_2. Ø B APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE OPTIONAL, BUT MUST BE CONFINED WITHIN Ø D AND A.

TO 111



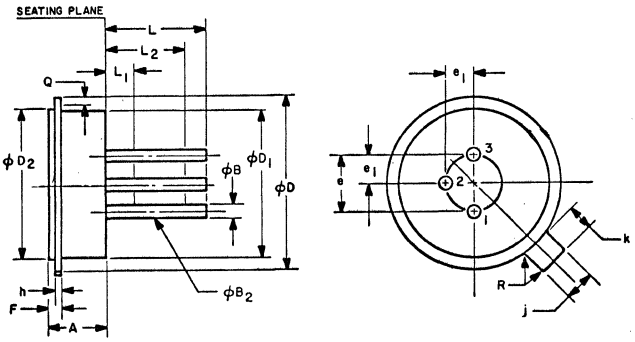
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ØD	—	.505	—	12.82	
$ØD_1$	.330	.423	8.39	10.74	1
E	.423	.438	10.75	11.12	2
F	.090	.250	2.3	6.3	5
J	.570	.763	14.5	19.3	1
ØM	.155	.189	3.94	4.80	6
N	.400	.455	10.16	11.55	
N_1	—	.078	—	1.98	6
ØT	.040	.070	1.02	1.77	
T	—	.090	—	2.28	7
ØW	.1658	.1697	4.212	4.310	8

NOTES:

1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter $ØD_1$ and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Positior of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook, short tab, or tall tab terminal contour is optional. An index point is required when the tall tab terminal contour (identical to the adjacent terminals) option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portion is optional.
6. Incomplete or undercut threads.
7. Elongated hole in tab is optional.
8. Pitch diameter of 10-32 UNF-2A coated threads (ASA B1.1-1960).

TO 112



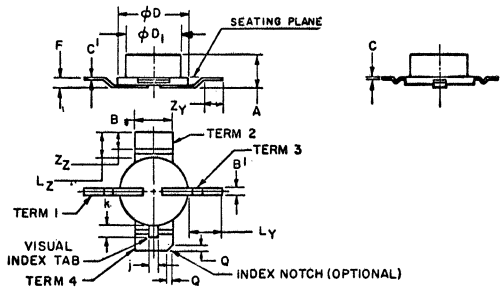
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.090	.115	2.29	2.92	
Ø B	.016	.021	.407	.533	1
Ø B_2	.016	.019	.407	.482	1
Ø D	.305	.320	7.75	8.12	
Ø D_1	.265	.275	6.74	6.98	
Ø D_2	.270	.320	6.86	.812	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		
F	.016	.024	.407	.609	
h	.008	.012	.204	.304	
j	.047	.053	1.194	1.346	
k	.047	.053	1.194	1.346	3
L	.400	-	10.16	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
Q	.015	-	.381	-	4
R	-	.009	-	.22	
α	45° T.P.		45° T.P.		5

NOTES:

1. Ø B_2 APPLIES BETWEEN L_1 AND L_2. Ø B APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.482 MM) MEASURED IN GAGING PLANE .054" (1.38 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. MINIMUM FLAT.
5. TAB CENTERLINE.

TO 113



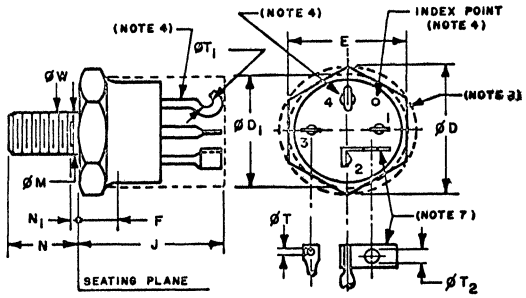
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.080	.100	2.04	2.54	
B	.095	.105	2.42	2.66	2
B'	.012	.025	.31	.63	1
C	.001	.002	.026	.050	2
C'	.001	.003	.026	.076	1
Ø D	.180	.200	4.58	5.08	
Ø D_1	.157	.164	3.988	4.165	
F	-	.025	-	.63	3, 7
J	-	.024	-	.60	
k	-	.033	-	.83	4
L_Y	.088	.130	2.24	3.30	1, 4
L_Z	.060	.080	1.53	2.03	2, 4
Q	-	.020	-	.50	
Z_Y	.040	-	1.02	-	1,5,6,7
Z_Z	.030	-	.77	-	2,5,6,7

NOTES:

1. TERMINALS 1 AND 3.
2. TERMINALS 2 AND 4.
3. ALL TERMINALS.
4. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
5. FLAT ON TERMINALS.
6. WITH THE DEVICE SEATED IN A .165" (4.20 MM) + .010" (.25 MM) -.000" (.00 MM) HOLE A MAXIMUM FORCE OF 20 GRAMS ON EACH OF THE TERMINALS SHALL CAUSE THE FLATS OF THE TERMINALS TO CONTACT THE SEATING PLANE.
7. TERMINAL CONFIGURATIONS OPTIONAL BETWEEN Ø D AND FLATS ON TERMINALS.

TO 114

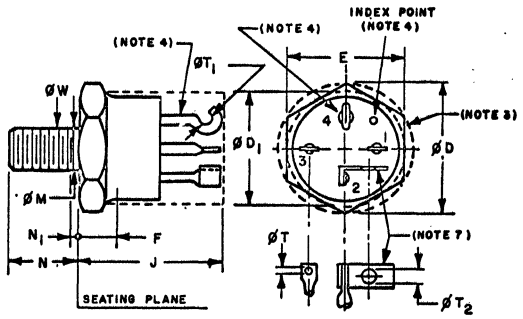


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ØD	—	1.227	—	31.16	
$ØD_1$	.885	1.031	22.5	26.1	1
E	1.031	1.063	26.19	27.00	2
F	.090	.400	2.3	10.1	5
J	1.048	1.750	26.7	44.4	1
ØM	.425	.500	10.80	12.70	6
N	.781	.828	19.84	21.03	
N_1	—	.156	—	3.96	6
ØT	.078	.109	1.99	2.76	
$ØT_1$	.234	.281	5.95	7.13	
$ØT_2$	.180	.210	4.58	5.33	7
ØW	.4619	.4675	11.733	11.874	8

NOTES:
1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter $ØD_1$ and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Position of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook or tab terminal contour is optional. An index point is required when the tab terminal (identical to the adjacent terminals) contour option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portional is optional.
6. Incomplete or undercut threads.
7. Use of tab extension is optional.
8. Pitch diameter of ½-20 UNF-2A (coated) threads (ASA B1.1-1960).

TO 115

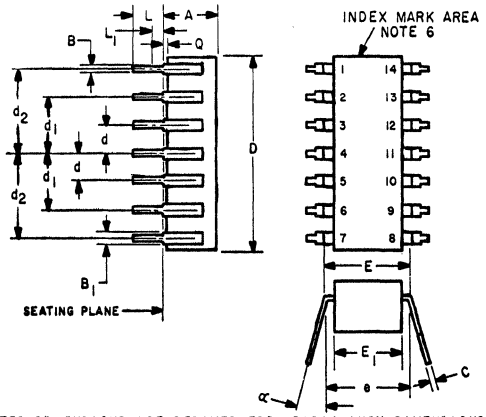


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ØD	—	1.443	—	36.65	
$ØD_1$	1.109	1.212	28.2	30.7	1
E	1.212	1.250	30.79	31.75	2
F	.090	.400	2.3	10.1	5
J	1.313	2.250	33.4	57.1	1
ØM	.550	.625	13.97	15.87	6
N	.922	.985	23.42	25.01	
N_1	—	.156	—	3.96	6
ØT	.078	.109	1.99	2.76	
$ØT_1$	.234	.281	5.95	7.13	
$ØT_2$	.250	.281	6.35	7.13	7
ØW	.5828	.5889	14.804	14.958	8

NOTES:
1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter $ØD_1$ and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Position of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook or tab terminal contour is optional. An index point is required when the tab terminal (identical to the adjacent terminals) contour option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portional is optional.
6. Incomplete or undercut threads.
7. Use of tab extension is optional.
8. Pitch of diameter of 5/8-18 UNF-2A (coated) threads (ASA B1.1-1960).

TO 116

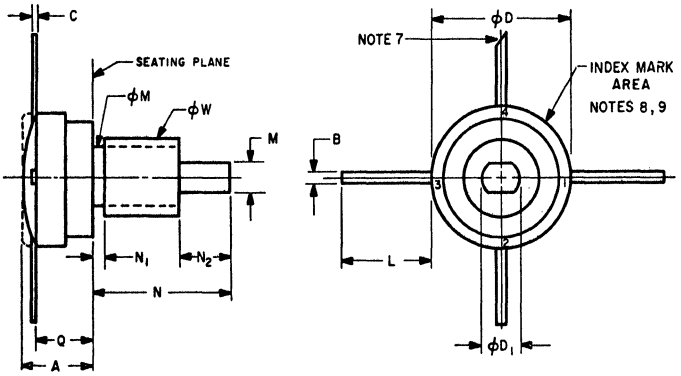


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	-	.200	-	5.08	
B	.015	.023	.381	.584	3,7
B_1	.030	.070	.77	1.77	3,7
C	.008	.015	.204	.381	3
D	.660	.785	17.4	19.9	
d	.090	.110	2.29	2.79	1
d_1	.190	.210	4.83	5.33	1
d_2	.290	.310	7.37	7.87	1
E	-	.325	-	8.25	5
E_1	.220	.280	5.59	7.11	
e	.290	.310	7.37	7.87	4
L	.100	-	2.540	-	1,3
L_1	-	.030	-	.76	2
Q	.020	-	.51	-	
α	0°	15°	0°	15°	

NOTES:
1. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIAL APPLICATIONS.
2. LEAD SPACING SHALL BE MEASURED WITHIN THIS ZONE.
3. TYPICAL ALL LEADS.
4. INSTALLED POSITION OF LEAD CENTERS.
5. OVERALL INSTALLED WIDTH.
6. INDEX TO BE VISIBLE FROM TOP, THIS END ONLY.
7. LEAD TRANSITION GEOMETRY FROM B TO B_1 OPTIONAL ON BODY SIDE OF SEATING PLANE.

TO 117

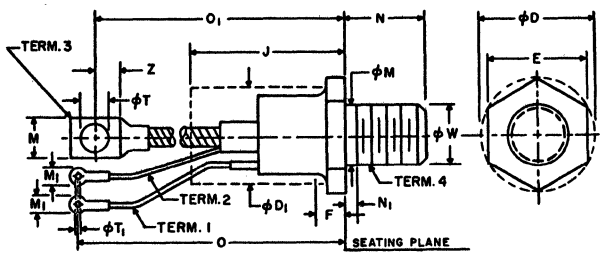


MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.230	3.56	5.84	1
B	.027	.033	.686	.838	2
C	.014	.016	.356	.406	2
ØD	.240	.380	6.1	9.6	1
$ØD_1$	.110	.129	2.80	3.27	3
L	.450	-	11.43	-	2,4
M	.055	.065	1.40	1.65	3
ØM	.120	.163	3.05	4.14	5
N	.425	.525	10.8	13.3	-
N_1	-	.078	-	1.98	5
N_2	.115	.145	2.93	3.68	3
Q	.110	.130	2.80	3.30	-
ØW	.1399	.1437	3.554	3.649	6

NOTES:
1. BODY CONTOUR OPTIONAL WITHIN ØD AND A.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
5. LENGTH (OR DIAMETER) OF INCOMPLETE OR UNDERCUT THREADS.
6. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
7. LEAD 4 END CONFIGURATION OPTIONAL.
8. INDIX MARK TO BE VISIBLE FROM TOP.
9. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.

TO 118

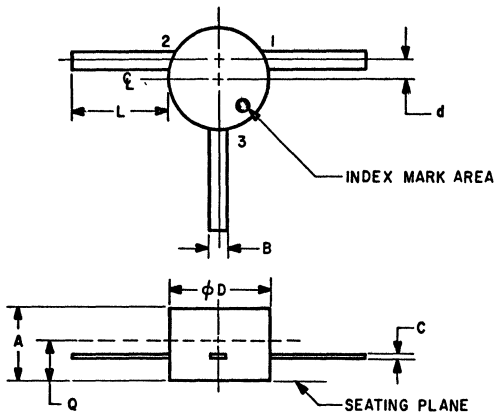


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD	-	1.949	-	49.50	-
$ØD_1$	-	1.631	-	41.42	1
E	1.631	1.688	41.43	42.87	-
F	.250	.500	6.4	12.7	5
J	-	4.000	-	101.60	1,7
M	.735	1.000	18.7	25.4	2
M_1	.260	.328	6.61	8.33	2,8
ØM	.660	.749	16.77	19.02	-
N	1.031	1.095	26.19	27.81	-
N_1	-	.156	-	3.96	3
O	9.640	10.140	244.9	257.5	-
O_1	9.400	9.780	238.8	248.4	-
ØT	.320	.448	8.2	11.3	-
$ØT_1$	.140	.172	3.56	4.36	-
ØW	.7029	.7094	17.854	18.018	4
Z	.375	-	9.53	-	6

NOTES:
1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN ØD1 AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM
4. PITCH DIAMETER OF 3/4-16 UNF-2A (COATED) THREADS (ASA B1.1-1960)
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 119

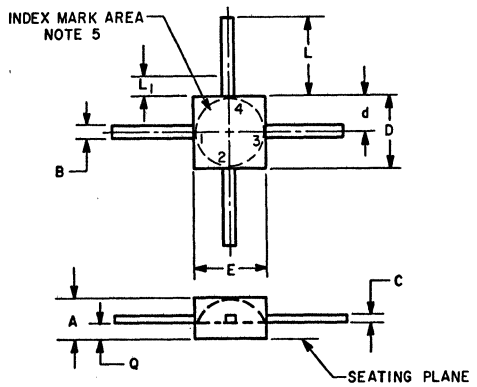


MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.040	.065	1.02	1.65	1
B	.020	.028	.508	.711	2
C	.003	.005	.077	.127	2
ØD	.184	.225	4.68	5.71	1
d	-	.035	-	.88	3
L	.240	-	6.10	-	2,4
Q	-	.030	-	.76	3

NOTES:
1. CONTOUR OF BODY OPTIONAL WITHIN ØD AND A. ØD MIN. AND ØD MAX. APPLY ONLY TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. LEADS SHALL EMERGE FROM THE BODY WITHIN THE LIMITS INDICATED BY THE d AND Q DIMENSIONS.
4. MEASURED FROM GREATEST BODY DIAMETER OF ACTUAL DEVICE.

TO 120

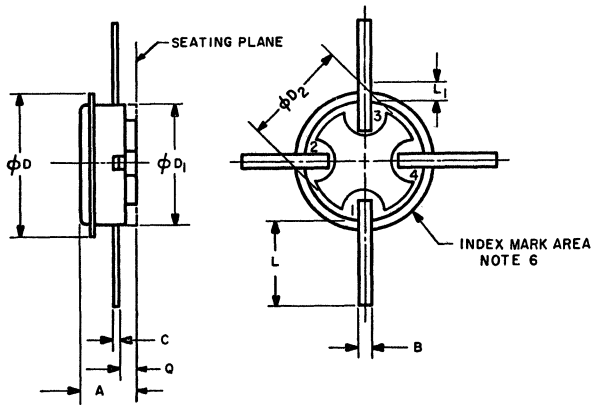


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.062	.77	1.57	1
B	.008	.019	.21	.48	2
C	.003	.007	.077	.177	2
d	.015	.046	.39	1.16	3
D	.067	.092	1.71	2.33	1
E	.067	.088	1.71	2.23	1
L	.100	-	2.54	-	2
L_1	-	.035	-	.88	2,4
Q	.007	.034	.18	.86	-

NOTES:
1. CONFIGURATION OF PACKAGE OPTIONAL WITHIN ZONE DEFINED BY A, D, AND E.
2. TYPICAL ALL LEADS.
3. THIS DIMENSION APPLIES TO LEADS 1 AND 3 ONLY.
4. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
5. INDEX TO BE VISIBLE FROM TOP.
6. OMISSION OF ONE LEAD OPTIONAL. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.

TO 121

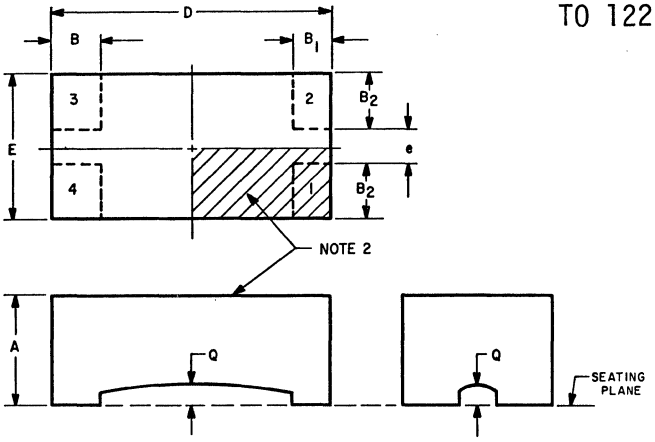


MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.145	.200	3.69	5.08	-
B	.035	.046	.89	1.16	1
C	.012	.019	.305	.482	1
ØD	.593	.680	15.07	17.27	-
$ØD_1$	.520	.594	13.21	15.08	2
$ØD_2$	.480	-	12.20	-	3
L	.195	-	4.96	-	1,4
L_1	-	.105	-	2.66	1,4,5
Q	.005	.020	.13	.50	2

NOTES:
1. TYPICAL ALL LEADS.
2. CONFIGURATION OF PACKAGE OPTIONAL WITHIN ZONE DEFINED BY $ØD_1$ AND Q.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. MEASURED FROM INTERSECTION OF LEAD AXIS AND BODY SURFACE OF DIAMETER $ØD_1$.
5. DIMENSIONS, CONFIGURATION, AND POSITION OF LEADS OPTIONAL IN THIS ZONE.
6. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.
7. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.

TO 122



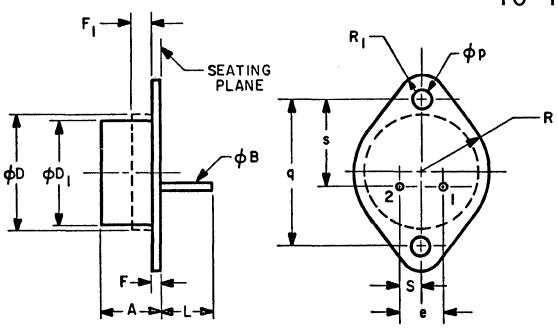
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.027	0.035	0.686	0.889	-
B	0.011	0.017	0.280	0.431	-
B_1	0.008	0.014	0.204	0.355	-
B_2	0.012	0.018	0.305	0.457	3
D	0.070	0.078	1.778	1.981	-
E	0.035	0.043	0.889	1.092	-
e	0.009	0.011	0.229	0.279	3
Q	-	-	-	-	1

NOTES:

1. DETAILS OF THE OUTLINE IN THIS ZONE ARE OPTIONAL EXCEPT THAT THE OUTLINE SHALL NOT EXTEND BEYOND THE SEATING PLANE.
2. AN INDEX MARK SHALL BE LOCATED ON THE TOP SURFACE IN THE QUADRANT ABOVE TERMINAL ONE.
3. THESE TOLERANCES ARE NON-CUMULATIVE.

TO 123



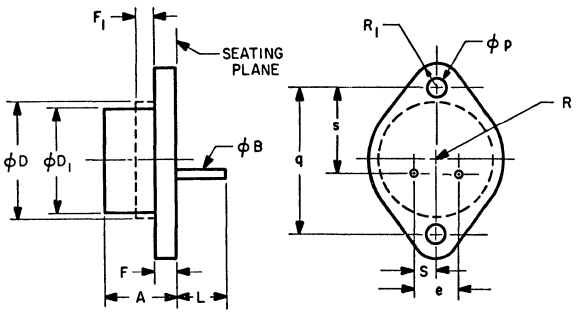
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.340	6.35	8.63	-
ØB	.028	.034	.712	.863	-
ØD	-	.620	-	15.74	1
$ØD_1$	.470	.500	11.94	12.70	-
e	.190	.210	4.83	5.33	-
F	.020	.040	.51	1.01	2
F_1	-	.050	-	1.27	1
L	.360	-	9.15	-	-
Øp	.142	.152	3.61	3.86	-
q	.958	.962	24.334	24.434	-
R	-	.352	-	8.94	-
R_1	-	.147	-	3.73	-
S	.093	.107	2.37	2.71	-
s	.570	.590	14.48	14.98	-

NOTES:

1. OUTLINE CONTOUR OPTIONAL WITHIN ZONE DEFINED BY ØD AND F_1.
2. THE F DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 124



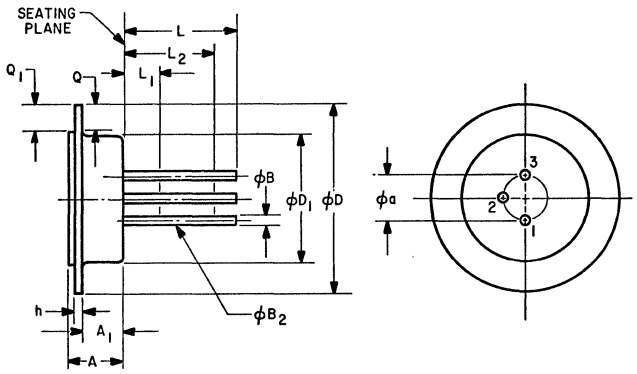
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.355	6.4	9.0	-
ØB	.028	.034	.712	.863	-
ØD	-	.620	-	15.74	1
$ØD_1$	.470	.500	11.94	12.70	-
e	.190	.210	4.83	5.33	-
F	.085	.102	2.16	2.59	2
F_1	-	.050	-	1.27	1
L	.360	-	9.15	-	-
Øp	.142	.152	3.61	3.86	-
q	.958	.962	24.334	24.434	-
R	-	.352	-	8.94	-
R_1	-	.147	-	3.73	-
S	.093	.107	2.37	2.71	-
s	.570	.590	14.48	14.98	-

NOTES:

1. OUTLINE CONTOUR OPTIONAL WITHIN ZONE DEFINED BY ØD AND F_1.
2. THE F DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 125



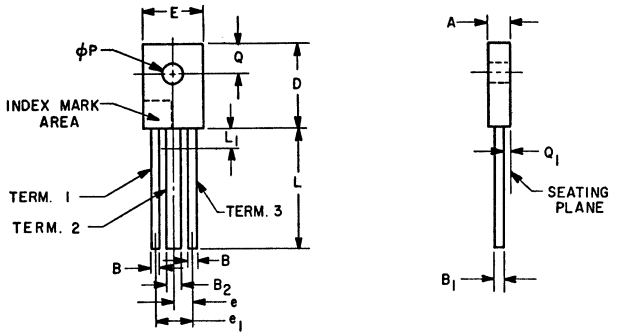
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.099	.123	2.52	3.12	-
Øa	.100 T.P.		2.54 T.P.		2
ØB	.016	.021	.407	.533	1
$ØB_2$	.016	.019	.407	.482	1
ØD	.427	.433	10.846	10.998	-
$ØD_1$	.284	.290	7.214	7.366	-
h	.008	.012	.204	.304	-
L	.450	-	11.43	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
Q	.058	-	1.48	-	3
Q_1	.032	-	.82	-	3
A_1	.085	.101	2.16	2.56	-

NOTES:

1. $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. THE CROSS SECTION OF EACH LEAD HAVING A MAXIMUM DIAMETER OF .019" (.482 MM) AND MEASURED IN A GAGING PLANE .054" (1.372 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE LIES IN A CIRCLE HAVING A DIAMETER OF .033" (.838 MM) CENTERED AT THE TRUE POSITION OF THE LEAD AXIS AT ITS POINT OF EXIT RELATIVE TO A .290" (7.366 MM) MAXIMUM BODY DIAMETER, $ØD_1$.
3. MINIMUM FLAT.

TO 127

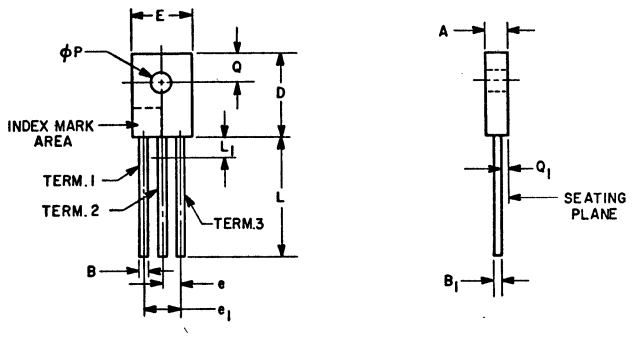


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.150	3.05	3.81	-
B	.041	.051	1.05	1.29	-
B_1	.027	.037	.69	.93	-
B_2	.065	.075	1.66	1.90	-
D	.618	.668	15.70	16.96	-
E	.480	.530	12.20	13.46	-
e	.151	.181	3.84	4.59	3
e_1	.302	.362	7.68	9.19	3
L	.595	.655	15.12	16.63	-
L_1	-	.125	-	3.17	1
ØP	.125	.155	3.18	3.93	-
Q	.180	.225	4.58	5.71	-
Q_1	.035	.065	.89	1.65	-

NOTES:
1. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. MAXIMUM RADIUS OF .050 IN. (1.27 MM) ON ALL BODY EDGES AND CORNERS.
3. LEAD SPACING TO BE MEASURED BETWEEN .125 IN. (3.18 MM) AND .150 IN. (3.81 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 126

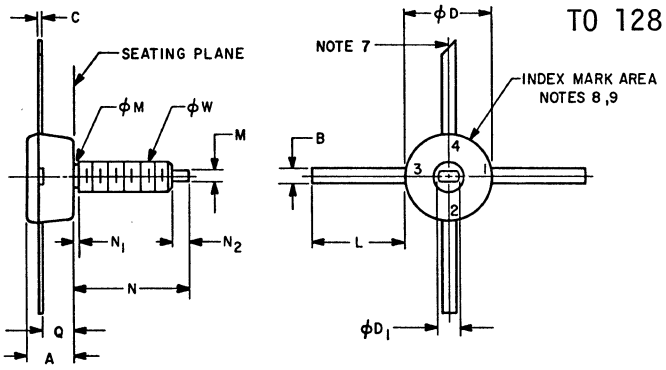


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.090	.120	2.29	3.04	-
B	.025	.035	.64	.88	4
B_1	.015	.025	.39	.63	-
D	.400	.450	10.16	11.43	-
E	.280	.330	7.12	8.38	-
e	.080	.100	2.04	2.54	3
e_1	.160	.200	4.07	5.08	3
L	.595	.655	15.12	16.63	-
L_1	-	.100	-	2.54	1
ØP	.100	.130	2.54	3.30	-
Q	.130	.175	3.31	4.44	-
Q_1	.035	.065	.89	1.65	-

NOTES:
1. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. MAXIMUM RADIUS OF .050 IN. (1.27 MM) ON ALL BODY EDGES AND CORNERS.
3. LEAD SPACING TO BE MEASURED BETWEEN .100 IN. (2.54 MM) AND .125 IN. (3.17 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.
4. TYPICAL ALL LEADS.

TO 128

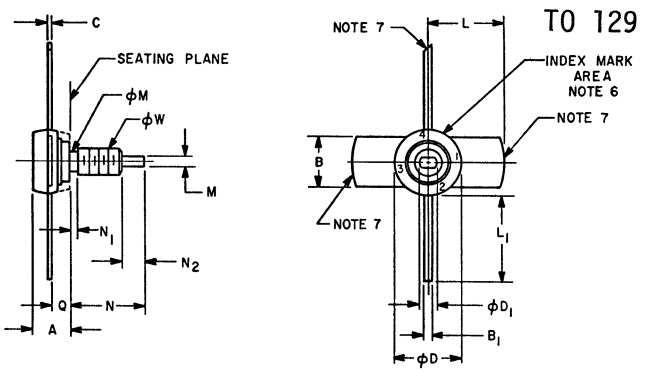


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.280	.285	7.112	7.239	1
B	.088	.092	2.236	2.336	2
C	.014	.016	.356	.406	2
ØD	.450	.500	11.43	12.70	1
$ØD_1$	.100	.120	2.54	3.04	3
L	.480	.500	12.20	12.70	2
M	.056	.064	1.423	1.625	3
ØM	.120	.163	3.05	4.14	-
N	.440	.460	11.18	11.68	-
N_1	-	.078	-	1.98	5
N_2	.115	.145	2.93	3.68	3
Q	.160	.170	4.07	4.31	-
ØW	.1399	.1437	3.554	3.649	6

NOTES:
1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN. APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
5. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
6. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
7. LEAD 4 END CONFIGURATION OPTIONAL.
8. INDEX MARK TO BE VISIBLE FROM TOP.
9. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.

TO 129

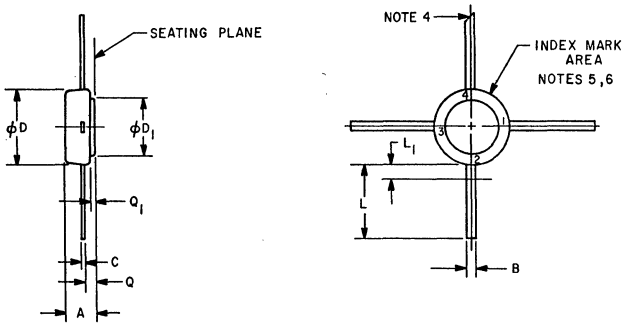


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.230	5.08	5.84	1
B	.285	.295	7.24	7.49	-
B_1	.028	.032	.712	.812	-
C	.010	.012	.254	.304	2
ØD	.365	.370	9.271	9.398	1
$ØD_1$	.110	.129	2.80	3.27	3
L	.430	.440	10.93	11.17	-
L_1	-	.550	-	13.97	-
M	.056	.064	1.423	1.625	3
ØM	.120	.163	3.05	4.14	-
N	.440	.460	11.18	11.68	-
N_1	-	.078	-	1.98	4
N_2	.115	.145	2.93	3.68	3
Q	.110	.130	2.80	3.30	-
ØW	.1399	.1437	3.554	3.649	5

NOTES:
1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN. APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
5. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
6. INDEX MARK TO BE VISIBLE FROM TOP.
7. LEAD END CONFIGURATION OPTIONAL.

TO 130



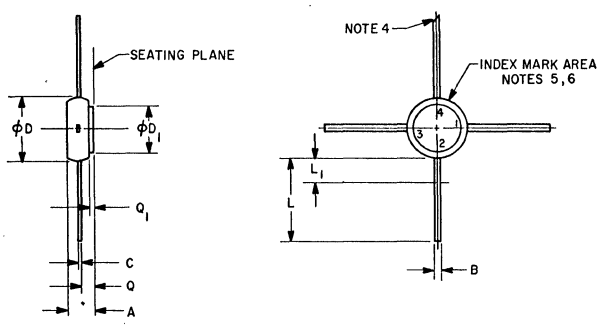
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.180	4.32	4.57	1
B	.028	.032	.712	.812	2
C	.014	.016	.356	.406	2
ØD	.400	.455	10.16	11.55	1
ØD1	.320	.330	8.13	8.38	-
L	.475	.525	12.07	13.33	2,3
L1	-	.035	-	.88	2,7
Q	.055	-	1.40	-	-
Q1	.005	.020	.13	.50	-

NOTES:

1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN. APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
4. LEAD 4 END CONFIGURATION OPTIONAL.
5. INDEX MARK TO BE VISIBLE FROM TOP.
6. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.
7. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.

TO 131



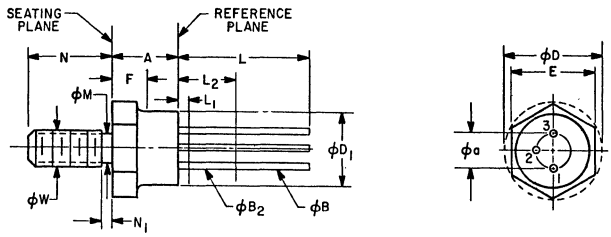
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.145	.185	3.69	4.69	1
B	.028	.032	.712	.812	2
C	.014	.016	.356	.406	2
ØD	.355	.375	9.02	9.52	1
ØD1	.270	.285	6.86	7.23	-
L	.450	.550	11.5	13.9	2,3
L1	-	.035	-	.88	2,7
Q	.055	-	1.40	-	-
Q1	.005	.020	.13	.50	-

NOTES:

1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
4. LEAD 4 END CONFIGURATION OPTIONAL.
5. INDEX MARK TO BE VISIBLE FROM TOP.
6. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.
7. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.

TO 132

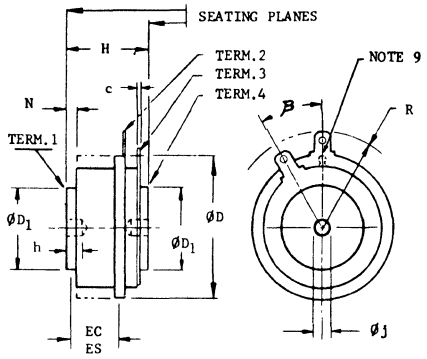


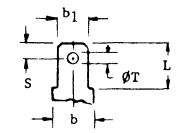
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.350	7.62	8.89	-
Øa	.200 T.P.		5.08 T.P.		1
ØB	.016	.021	.407	.533	2
ØB2	.016	.019	.407	.482	2
ØD	.400	.505	10.2	12.8	-
ØD1	.390	.410	9.91	10.41	-
E	.423	.438	10.75	11.12	-
F	.120	.150	3.05	3.81	-
L	.475	-	12.07	-	2
L1	-	.050	-	1.27	2
L2	.250	-	6.35	-	2
ØM	.163	.189	4.15	4.80	6
N	.422	.453	10.72	11.50	-
N1	-	.078	-	1.98	6
ØW	.1658	.1697	4.212	4.310	3

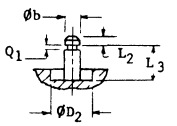
NOTES:

1. LEADS SHALL BE LOCATED RELATIVE TO EACH OTHER SUCH THAT THE CROSS SECTION OF EACH LEAD HAVING A MAXIMUM DIAMETER OF .019" (.482 MM) AND MEASURED IN A GAGING PLANE .054" (1.372 MM) + .001" (.025 MM) - .000" (.000 MM) ABOVE THE REFERENCE PLANE LIES IN A CIRCLE HAVING A DIAMETER OF .033" (.84 MM) CENTERED AT THE TRUE POSITION OF THE LEAD AXIS AT ITS POINT OF EXIT. POSITION OF LEAD GROUPING IN RELATION TO THE BODY IS NOT CONTROLLED.
2. (ALL LEADS) DIAMETER IS NOT CONTROLLED IN L_1 AND BEYOND L. $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND L.
3. PITCH DIAMETER OF 10-32 UNF-2A (COATED) THREADS. (ASA B1.1-1960).
4. ORIENTATION OF LEAD GROUPING IN RELATION TO THE HEXAGON IS NOT CONTROLLED.
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.





DETAIL OF TAB TERM.

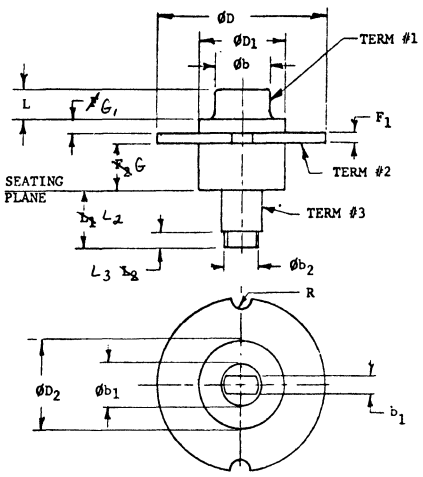


DETAIL OF RND TERM.

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Package contour optional between Term. 1 & 2 and between Term. 2 & 3 within ØD. Term. 2 & 3 must be located to make the outline non-symmetrical.
3. Term. 2 & 3 are both tab type terminals.
4. Minimum electrical creepage length between Term. 1 & 2 and between Term. 1 & 3.
5. Minimum electrical strike distance between Term. 1 & 2 and between Term. 1 & 3.
6. Surfaces flat within .0015 per inch.
7. Typical two places.
8. Term. 2 is round type and Term. 3 is tab type.
9. Round term. used on some variations for Term. 2 only.
10. L_3 is for connector clearance. Counterbore $ØD_2$ is optional.

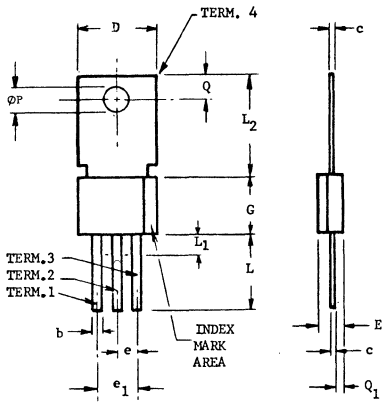
SYMBOL	INCHES								MILLIMETERS								NOTE
	AA		AB		AC				AA		AB		AC				
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
b	.186	.312	.186	.312	.186	.312			4.73	7.92	4.73	7.92	4.73	7.92			
b_1	.186	.191	.186	.191	.186	.191			4.725	4.851	4.725	4.851	4.725	4.851			
Øb	—	—	.057	.059	.057	.059			—	—	1.448	1.498	1.448	1.498			
c	.014	.019	.014	.019	.014	.019			.356	.482	.356	.482	.356	.482			
ØD	1.420	1.700	1.420	1.700	2.200	2.500			36.07	43.18	36.07	43.18	55.88	63.50			2
$ØD_1$	.730	1.165	.730	1.165	1.031	1.500			18.55	29.59	18.55	29.59	26.19	38.10			6
$ØD_2$	—	—	.100	—	.100	—			—	—	2.54	—	2.54	—			10
EC	.300	—	.300	—	1.000	—			7.62	—	7.62	—	25.40	—			4
ES	.300	—	.250	—	.500	—			7.62	—	6.35	—	12.70	—			5
H	.490	.600	.490	.600	1.000	1.065			12.45	15.24	12.45	15.24	25.40	27.05			
h	.050	.125	.050	.125	.050	.160			1.27	3.17	1.27	3.17	1.27	4.06			7
Øj	.123	.145	.123	.145	.123	.145			3.13	3.68	3.13	3.68	3.13	3.68			7
L	.245	.760	.245	.760	.245	.760			6.23	19.30	6.23	19.30	6.23	19.30			
L_2	—	—	.025	.065	.025	.065			—	—	.64	1.65	.64	1.65			
L_3	—	—	.100	—	.100	—			—	—	2.54	—	2.54	—			10
N	.010	.100	.010	.100	.030	.110			.26	2.54	.26	2.54	.77	2.79			7
Q_1	—	—	.010	.020	.010	.020			—	—	.254	.508	.254	.508			
R	.610	1.125	.610	1.125	—	1.435			15.50	28.57	15.50	28.57	—	36.44			
S	.115	.140	.115	.140	.115	.140			2.93	3.55	2.93	3.55	2.93	3.55			
ØT	.050	.070	.050	.070	.050	.070			1.27	1.77	1.27	1.77	1.27	1.77			
β	20°	50°	15°	50°	15°	50°			20°	50°	15°	50°	15°	50°			
NOTE	1, 3		1, 8		1, 8				1, 3		1, 8		1, 8				



SYMBOL	INCHES		MILLIMETERS		NOTE
	AA		AA		
	MIN.	MAX.	MIN.	MAX.	
b_1	.045	.055	1.143	1.397	
Øb	.165	.175	4.191	4.445	
$Øb_1$	.115	.125	2.921	3.175	
$Øb_2$	.090	.110	2.29	2.79	
ØD	.495	.505	12.573	12.827	
$ØD_1$	.245	.255	6.223	6.477	
$ØD_2$	.245	.255	6.223	6.477	
F_1	.145	.175	3.69	4.44	
G	.045	.060	1.15	1.52	
G_1	.025	.035	.635	.889	
L	.095	.115	2.42	2.92	
L_2	.165	.195	4.20	4.95	
L_3	.040	.060	1.02	1.52	
R	.027	.033	.686	.838	
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No 76.

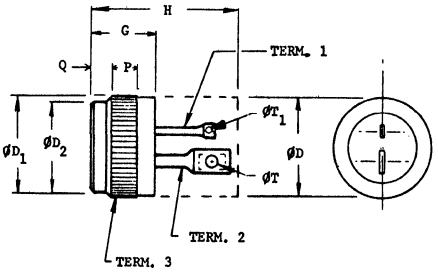


SYMBOL	INCHES		MILLIMETERS		NOTE
	AA		AA		
	MIN.	MAX.	MIN.	MAX.	
b	.045	.055	1.143	1.397	
c	.010	.026	.26	.66	
D	.360	.400	9.15	10.16	
E	.120	.190	3.05	4.82	
e	.095	.105	2.413	2.667	3
e_1	.190	.210	4.83	5.33	3
G	.280	.320	7.12	8.12	
L	.371	.520	9.43	13.20	
L_1	—	.100	—	2.54	2
L_2	.480	.520	12.20	13.20	
ØP	.123	.127	3.125	3.225	
Q	.095	.155	2.42	3.93	
Q_1	.039	.076	1.00	1.93	
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Lead dimensions uncontrolled in this zone to allow for body and lead irregularities.
3. Lead spacing to be measured between .125 and .150 from the point of emergence from the body.

To 203

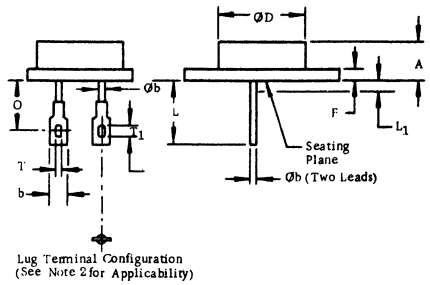


SYMBOL	INCHES		MILLIMETERS		NOTE
	AA		AA		
	MIN.	MAX.	MIN.	MAX.	
ϕD	—	.510	—	12.95	2
ϕD_1	.501	.505	12.726	12.827	5
ϕD_2	.465	.475	11.811	12.065	
G	.330	.380	8.39	9.65	
H	—	.800	—	20.32	
P	.100	—	2.54	—	5
Q	.080	.097	2.04	2.46	
ϕT	.065	.090	1.66	2.28	3,4
ϕT_1	.035	.068	.89	1.72	4,6
NOTE	1		1		

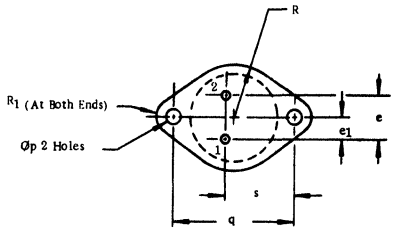
NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Outline contour is optional within zone defined by ϕD and P min. and H max.
3. Elongated hole in terminal is optional.
4. Contour and orientation of Term. 1 & 2 are not defined.
5. Straight knurl surface.
6. Term. 1 to be shorter than Term. 2 for identification.

To 204



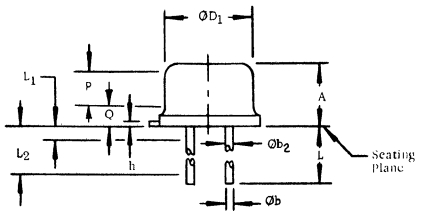
Lug Terminal Configuration
(See Note 2 for Applicability)

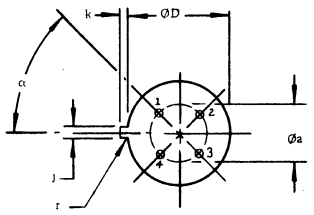


NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Lug terminal configuration required.
3. Lug terminal configuration not applicable--straight pins required.
4. Square or radius on end of terminal and hole configuration optional.
5. These dimensions should be measured at points .050 - .055 below seating plane. When gauge is not used, measurement will be made at the seating plane.
6. ϕb applies between L_1 and L. Diameter is uncontrolled in L_1.
7. The seating plane of the header shall be flat .001 concave to .004 convex inside a .930 diameter circle on the center of the header and flat within .001 concave to .006 convex overall.

SYMBOL	INCHES								MILLIMETERS								NOTE
	MA		MB		MC				MA		MB		MC				
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
A	.250	.450	.250	.450	.250	.450			6.35	11.35	6.35	11.43	6.35	11.43			
b	—	—	.125	.210	—	—			—	—	3.18	5.33	—	—			3
ϕb	.038	.043	.038	.053	.048	.053			.966	1.092	.97	1.34	1.220	1.346			3
ϕD	—	.875	—	.875	—	.875			—	22.22	—	22.22	—	22.22			
e	.420	.440	.420	.440	.420	.440			10.67	11.17	10.67	11.17	10.67	11.17			4
e_1	.205	.225	.205	.225	.205	.225			5.21	5.71	5.21	5.71	5.21	5.71			4
F	.060	.135	.060	.135	.060	.135			1.53	3.42	1.53	3.42	1.53	3.42			
L	.312	.500	.560	.680	.312	.500			7.93	12.70	14.23	17.27	7.93	12.70			
L_1	—	.050	—	.050	—	.050			—	1.27	—	1.27	—	1.27			6
O	—	—	.500	.581	—	—			—	—	12.70	14.75	—	—			
ϕp	.151	.161	.151	.161	.151	.161			3.836	4.089	3.836	4.089	3.836	4.089			
q	1.177	1.197	1.177	1.197	1.177	1.197			29.90	30.40	29.90	30.40	29.90	30.40			
R	.495	.525	.495	.525	.495	.525			12.58	13.33	12.58	13.33	12.58	13.33			
R_1	.131	.188	.131	.188	.131	.188			3.33	4.77	3.33	4.77	3.33	4.77			
s	.655	.675	.655	.675	.655	.675			16.64	17.14	16.64	17.14	16.64	17.14			
T	—	—	.072	.120	—	—			—	—	1.83	3.04	—	—			
T_1	—	—	.072	.170	—	—			—	—	1.83	4.31	—	—			
NOTE	1, 3, 7		1, 2, 7		1, 3, 7				1, 3, 7		1, 2, 7		1, 3, 7				

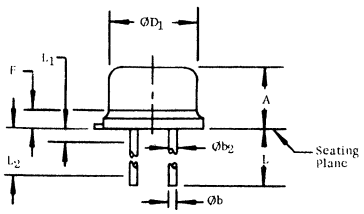


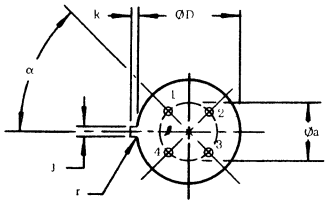


NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No 76.
2. Lead number 4 omitted on this outline.
3. Tab omitted in this variation.
4. Beyond r max, j must be held for a minimum length of .011.
5. k measured from max ØD.
6. Details of outline in this zone optional.
7. ØD1 shall not vary more than .010 in zone P. This zone is controlled for automatic handling.
8. Leads at gauge plane .054-.055 below seating plane shall be within .007 radius of True Position (TP) at maximum material condition (MMC) relative to tab at MMC. The device may be measured by direct methods or by the gauge and gauging procedure described on gauge drawing GS-1.
9. Øb2 applies between L1 and L2. Øb applies between L2 and L min. Diameter is uncontrolled in L1 and beyond L min.

SYMBOL	INCHES								MILLIMETERS								NOTE
	MA		MC		MB		MD		MA		MB		MC		MD		
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
A	.240	.260	.240	.260	.200	.260	.240	.260	6.10	6.60	5.08	6.60	6.10	6.60	6.10	6.60	
Øa	.200 TP		.200 TP		.200 TP		.200 TP		5.080 TP		5.080 TP		5.080 TP		5.080 TP		8
Øb	.016	.021	.016	.021	.016	.021	.016	.021	.407	.533	.407	.533	.407	.533	.407	.533	9
Øb2	.016	.019	.016	.019	.016	.019	.016	.019	.407	.482	.407	.482	.407	.482	.407	.482	9
ØD	.335	.370	.335	.370	.290	.370	.335	.370	8.51	9.39	7.37	9.39	8.51	9.39	8.51	9.39	
ØD1	.305	.335	.305	.335	.275	.335	.305	.335	7.75	8.50	6.99	8.50	7.75	8.50	7.75	8.50	
h	.009	.041	.009	.041	-	-	.009	.041	.23	1.04	-	-	.23	1.04	.23	1.04	
j	.028	.034	.028	.034	-	-	.028	.034	.712	.863	-	-	.712	.863	.712	.863	4
k	.029	.045	.029	.045	-	-	.029	.045	.74	1.14	-	-	.74	1.14	.74	1.14	4,5
L	1.500	1.750	1.500	1.750	1.500	1.750	.500	.750	38.10	44.45	38.10	44.45	38.10	44.45	12.70	19.05	9
L1	-	.050	-	.050	-	.050	-	.050	-	1.27	-	1.27	-	1.27	-	1.27	9
L2	.250	-	.250	-	.250	-	.250	-	6.35	-	6.35	-	6.35	-	6.35	-	9
P	.100	-	.100	-	.100	-	.100	-	2.54	-	2.54	-	2.54	-	2.54	-	7
Q	-	.050	-	.050	-	.075	-	.050	-	1.27	-	1.90	-	1.27	-	1.27	6
r	-	.010	-	.010	-	-	-	.010	-	.254	-	-	-	.254	-	.254	
α	45° TP		45° TP		-	-	45° TP		45° TP		-	-	45° TP		45° TP		8
NOTE	1,2		1		1,2,3		1,2		1,2		1,2,3		1		1,2		



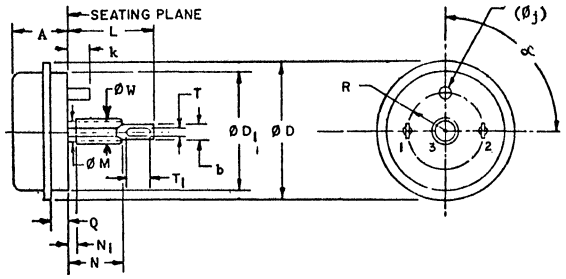


NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Lead number 4 omitted in this variation.
3. Body contour optional within zone defined by ØD-ØD1 and F.
4. Beyond r max, j must be held for a minimum length of .011.
5. Leads at gauge plane shall be within .007 radius of True Position (TP) at maximum material condition (MMC) relative to tab at MMC. The device may be measured by direct methods or by the gauge and gauging procedure described on gauge drawing GS-2.
6. Øb2 applies between L1 and L2. Øb applies between L2 and L min. Diameter is uncontrolled in L1 and beyond L min.
7. k measured from maximum ØD of actual device.

SYMBOL	INCHES								MILLIMETERS								NOTE
	MA		MB		MC		MD		MA		MB		MC		MD		
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
A	.170	.210	.065	.085	.115	.150	.170	.210	4.32	5.33	1.66	2.15	2.93	3.81	4.32	5.33	
Øa	.100 TP		.100 TP		.100 TP		.100 TP		2.540 TP		2.540 TP		2.540 TP		2.540 TP		5
Øb	.016	.021	.016	.021	.016	.021	.016	.021	.407	.533	.407	.533	.407	.533	.407	.533	6
Øb2	.016	.019	.016	.019	.016	.019	.016	.019	.407	.482	.407	.482	.407	.482	.407	.482	6
ØD	.209	.230	.209	.230	.209	.230	.209	.230	5.31	5.84	5.31	5.84	5.31	5.84	5.31	5.84	
ØD1	.178	.195	.178	.195	.178	.195	.178	.195	4.53	4.95	4.53	4.95	4.53	4.95	4.53	4.95	
F	-	.040	-	.030	-	.040	-	.040	-	1.01	-	.76	-	1.01	-	1.01	
j	.036	.046	.036	.046	.036	.046	.036	.046	.915	1.168	.915	1.168	.915	1.168	.915	1.168	3 4
k	.028	.048	.028	.048	.028	.048	.028	.048	.72	1.21	.72	1.21	.72	1.21	.72	1.21	
L	.500	.750	.500	.750	.500	.750	.500	.750	12.70	19.05	12.70	19.05	12.70	19.05	12.70	19.05	4,7 6
L1	-	.050	-	.050	-	.050	-	.750	-	1.27	-	1.27	-	1.27	-	1.27	
L2	.250	-	.250	-	.250	-	.250	-	6.35	-	6.35	-	6.35	-	6.35	-	6 6
r	-	.010	-	.010	-	.010	-	.010	-	.254	-	.254	-	.254	-	.254	
α	45° TP		45° TP		45° TP		45° TP		45° TP		45° TP		45° TP		45° TP		5
NOTE	1,2		1,2		1,2		1		1,2		1,2		1,2		1		

To 207

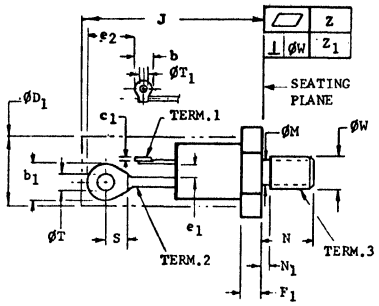


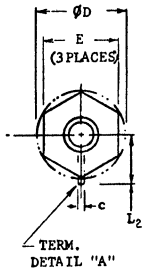
SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTE
A	.275	.520	6.99	13.20	
b	.120	.190	3.05	4.82	
ØD	—	1.250	—	31.75	
$ØD_1$	.990	1.010	25.15	25.65	
Øj	.090	.140	2.29	3.55	2
k	.100	.312	2.54	7.92	2
L	.610	.710	15.50	18.03	
Q	.050	.218	1.27	5.53	
ØM	.166	.189	4.22	4.80	
N	.375	.500	9.53	12.70	
N_1	—	.078	—	1.98	
R	.335	.355	8.51	9.01	
T	.070	.120	1.78	3.04	
T_1	.120	.145	3.05	3.68	
ØW	10-32 UNF-2A		10-32 UNF-2A		3
∝	85°	95°	85°	95°	4
NOTE	1		1		

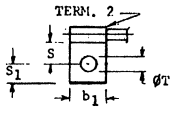
NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Mechanical index (insulated).
3. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.
4. Measured at seating plane.

To 208





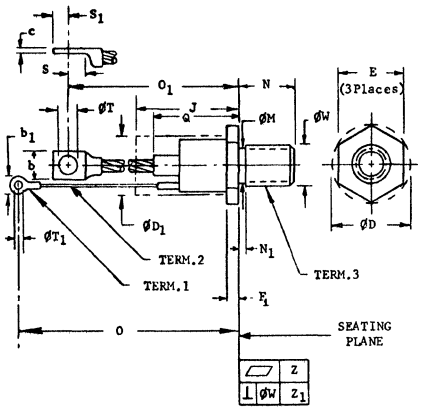


NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Device contour except on hex and noted terminal dimension is optional within zone defined by $ØD_1$ and J, $ØD_1$ not to exceed actual E.
3. Chamfer or undercut on one or both ends of the hexagonal portion is optional.
4. Contour and angular orientation of terminals 1 and 2 with respect to hexagonal portion are optional.
5. Min. flat.
6. Minimum spacing between terminals 1 and 2 at all points.
7. Minimum difference in terminal lengths to establish datum line for numbering terminals.
8. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.
9. Term. Detail "A" applies to this variation.

SYMBOL	INCHES MA MIN.	MA MAX.	MB MIN.	MB MAX.	MC MIN.	MC MAX.	MIN.	MAX.	MILLIMETERS MA MIN.	MA MAX.	MB MIN.	MB MAX.	MC MIN.	MC MAX.	MIN.	MAX.	NOTE
b	.115	.140	.080	.136	.115	.160			2.93	3.55	2.04	3.45	2.93	4.06			4
b_1	.210	.300	.080	.136	.360	.480			5.34	7.62	2.04	3.45	9.15	12.19			4
c	—	—	—	—	.059	.115			—	—	—	—	1.50	2.92			
c_1	—	—	—	—	.030	.050			—	—	—	—	.77	1.27			
ØD	—	.650	—	.505	—	1.227			—	16.51		12.82	—	31.16			
$ØD_1$	—	.544	—	.423	—	1.031			—	13.81	—	10.74	—	26.18			2
E	.544	.563	.423	.438	1.031	1 063			13.82	14.30	10.75	11.12	26.19	27.00			
e_1	—	—	.013	—	—	—			—	—	.34	—	—	—			
e_2	.125	—	.060	—	—	—			3.18	—	1.53	—	—	—			7
F_1	.075	.200	.060	.175	.170	.500			1.91	5.08	1.53	4.44	4.32	12.70			3
J	—	1.193	.700	.855	—	1.810			—	30.30	17.78	21.71	—	45.97			2
L_2	—	—	—	—	—	.650			—	—	—	—	—	16.51			
ØM	.220	.249	.163	.189	.425	.499			5.59	6.32	4.15	4.80	10.80	12.67			
N	.422	.453	.400	.453	.797	.827			10.72	11.50	10.16	11.50	20.25	21.00			
N_1	—	.090	—	.078	—	.125			—	2.28	—	1.98	—	3.17			
S	.120	—	—	—	.180	—			3.05	—	—	—	4.58	—			4,5
S_1	—	—	—	—	.180	---			—	—	—	—	4.58	—			4
ØT	.125	.165	.040	.075	.180	.260			3.18	4.19	1.02	1.90	4.58	6.60			
$ØT_1$	.060	.075	.040	.075	.060	.080			1.53	1.90	1.02	1.90	1.53	2.03			
ØW	1/4-28	UNF-2A	10-32	UNF-2A	1/2-20	UNF-2A			1/4-28	UNF-2A	10-32	UNF-2a	1/2-20	UNF-2A			8
Z	—	.002	—	.002	—	.003			—	.050	—	.050	—	.076			
Z_1	—	.006	—	.006	—	.006			—	.152	—	.152	—	.152			
NOTE	1		1		1, 9				1		1		1, 9				

To 209

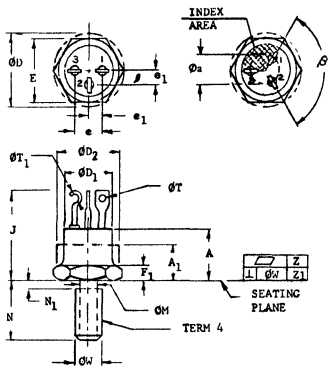


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	NOTE
b	.437	.650	11.10	16.51	6
b_1	.215	.300	5.47	7.62	6
c	.055	.110	1.40	2.79	
ØD	——	1.227	——	31.16	
$ØD_1$	——	1.031	——	26.18	2
E	1.031	1.063	26.19	27.00	
F_1	.170	.500	4.32	12.70	4
J	——	2.500	——	63.50	2,3
ØM	.425	.499	10.80	12.67	
N	.797	.827	20.25	21.00	
N_1	——	.125	——	3.17	
O	6.850	7.500	173.99	190.50	5
O_1	5.775	6.265	146.69	159.13	5
Q	——	1.750	——	44.45	
S	.250	——	6.35	——	7
S_1	.250	——	6.35	——	7
ØT	.250	.310	6.35	7.87	
$ØT_1$	.140	.150	3.56	3.81	
ØW	1/2-20	UNF-2A	1/2-20	UNF-2A	8
Z	——	.003	——	.076	
Z_1	——	.006	——	.152	
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. The body of the device with the exception of the hexagon and flexible lead extensions lies within the cylinder defined by $ØD_1$ and J, $ØD_1$ not to exceed actual E.
3. Seated height with the leads bent at right angles.
4. Chamfer or undercut on one or both ends of the hexagonal portion is optional.
5. Flexible lead.
6. Contour and orientation of terminal lug are optional. Square or radius on end of terminal is optional.
7. Min. flat.
8. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.

To 210

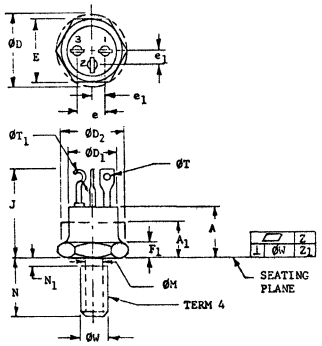


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	NOTE
A	.320	.468	8.13	11.88	
A_1	——	.250	——	6.35	4
$Ø_a$	.185	.215	4.70	5.46	
ØD	——	.505	——	12.82	
$ØD_1$	.318	.380	8.08	9.65	
$ØD_2$	.380	.437	9.66	11.09	4
E	.423	.438	10.75	11.12	
e	.185	.215	4.70	5.46	6
e_1	.090	.110	2.29	2.79	6
F_1	.090	.150	2.29	3.81	3
J	.570	.763	14.48	19.38	
ØM	.155	.189	3.94	4.80	
N	.400	.455	10.16	11.55	
N_1	——	.078	——	1.98	
ØT	.040	.065	1.02	1.65	
$ØT_1$	.040	.070	1.02	1.77	5
ØW	10-32 UNF-2A		10-32 UNF-2A		7
Z	——	.002	——	.050	
Z_1	——	.006	——	.152	
β	105°	135°	105°	135°	6
NOTE	1, 2, 3, 4, 5, 6		1, 2, 3, 4, 5, 6		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Three terminals are to be equally spaced in one of the two alternate end configurations shown.
3. Chamfer or undercut on one or both ends of hexagonal portion is optional.
4. The device contour with the exception of the hexagon is optional within cylinder defined by $ØD_2$ and A_1, $ØD_2$ not to exceed actual E.
5. Terminal 3 can be flattened and pierced or hook type. A visual index is required when the flattened and pierced tab terminal contour (identical to the adjacent terminals) is used with the end configuration having angular spacing of β
6. Angular orientation of terminals with respect to hexagon is optional.
7. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.

To 211

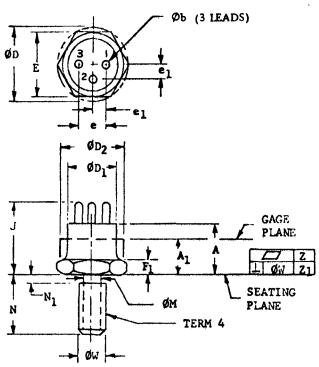


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	INCHES MB MIN.	INCHES MB MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	MILLIMETERS MB MIN.	MILLIMETERS MB MAX.	NOTE
A	.325	.460	.480	.535	8.26	11.68	12.20	13.58	
A_1	——	.270	——	.300	——	6.85	——	7.62	3
ØD	——	.794	——	1.010	——	20.16	——	25.65	
$ØD_1$	.570	.610	.745	.775	14.48	15.49	18.93	19.68	
$ØD_2$	.610	.687	.775	.875	15.50	17.44	19.69	22.22	3
E	.669	.688	.847	.875	17.00	17.47	21.52	22.22	
e	.340	.415	.485	.515	8.64	10.54	12.32	13.08	5
e_1	.170	.213	.240	.260	4.32	5.41	6.10	6.60	5
F_1	.090	.150	.090	.167	2.29	3.81	2.29	4.24	2
J	.640	.875	.937	1.090	16.26	22.22	23.80	26.16	
ØM	.220	.249	.278	.312	5.59	6.32	7.07	7.92	
N	.422	.455	.460	.495	10.72	11.55	11.69	12.57	
N_1	——	.090	——	.105	——	2.28	——	2.66	
ØT	.047	.072	.060	.105	1.20	1.82	1.53	2.66	
$ØT_1$	.046	.077	.060	.105	1.17	1.95	1.53	2.66	4
ØW	1/4-28 UNF-2A		5/16-24 UNF-2A		1/4-28 UNF-2A		5/16-24 UNF-2A		6
Z	——	.002	——	.002	——	.050	——	.050	
Z_1	——	.006	——	.006	——	.152	——	.152	
NOTE	1, 2, 3, 4, 5		1, 2, 3, 4, 5		1, 2, 3, 4, 5		1, 2, 3, 4, 5		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Chamfer or undercut on one or both ends of hexagonal portion is optional.
3. The device contour with the exception of the hexagon is optional within cylinder defined by $ØD_2$ and A_1, $ØD_2$ not to exceed actual E.
4. Terminal 3 can be flattened and pierced or hook type.
5. Angular orientation of terminals with respect to hexagon is optional.
6. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.

To 212

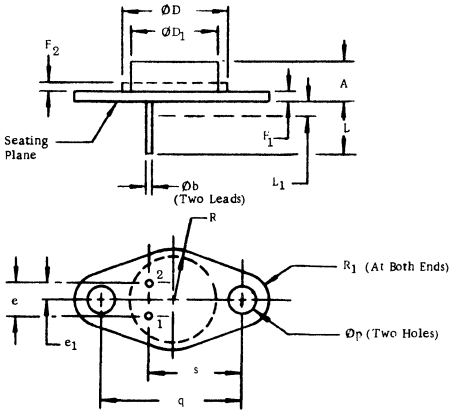


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	NOTE
A	.215	.320	5.47	8.12	
A_1	——	.165	——	4.19	3
Øb	.035	.045	.889	1.143	
ØD	——	.505	——	12.82	
$ØD_1$	.320	.360	8.13	9.14	
$ØD_2$	.360	.437	9.15	11.09	3
E	.423	.438	10.75	11.12	
e	.200 TP		5.080 TP		4, 5
e_1	.100 TP		2.540 TP		4, 5
F_1	.115	.135	2.93	3.42	2
J	.385	.455	9.78	11.55	
ØM	.163	.189	4.15	4.80	
N	.422	.455	10.72	11.55	
N_1	——	.078	——	1.98	
ØW	10-32 UNF-2A		10-32 UNF-2A		6
Z	——	.002	——	.050	
Z_1	——	.006	——	.152	
NOTE	1, 2, 3, 4		1, 2, 3, 4		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines in Publication No. 76.
2. Chamfer or undercut on one or both ends of hexagonal portion is optional.
3. The device contour with the exception of the hexagon is optional within cylinder defined by $ØD_2$ and A_1, $ØD_2$ not to exceed actual E.
4. Angular orientation of terminals with respect to hexagon is optional.
5. Pins within .008 DIA of True Position (TP) at Maximum Material Condition (MMC) relative to $ØD_1$ at MMC and $ØD_2$ at MMC.
6. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28 Part I.

To 213

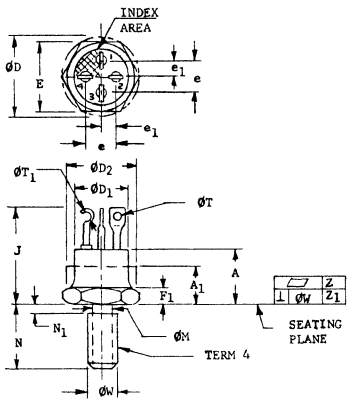


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	NOTE
A	.250	.340	6.35	8.63	
Øb	.028	.034	.712	.863	4
ØD	—	.620	—	15.74	2
ØD1	.470	.500	11.94	12.70	
e	.190	.210	4.83	5.33	3
e1	.093	.107	2.37	2.71	3
F1	.050	.075	1.27	1.90	
F2	—	.050	—	1.27	2
L	.360	.500	9.15	12.70	
L1	—	.050	—	1.27	4
Øp	.142	.152	3.607	3.860	
q	.958	.962	24.334	24.434	
R	—	.350	—	8.89	
R1	.115	.145	2.93	3.68	
s	.570	.590	14.48	14.98	3
NOTE	1, 5		1, 5		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Body contour is optional within zone defined by ØD and F_2.
3. These dimensions should be measured at points .050-.055 below seating plane. When gauge is not used, measurement will be made at the seating plane.
4. Øb applies between L_1 and L. Diameter is uncontrolled in L_1.
5. The seating plane of header shall be flat within .001 concave to .004 convex inside a .520 diameter circle on the center of the header and flat within .001 concave to .006 convex overall.

To 214

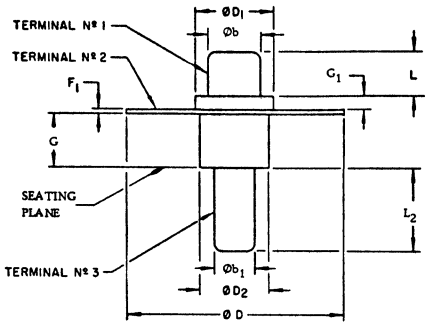


SYMBOL	INCHES MA MIN.	INCHES MA MAX.	MILLIMETERS MA MIN.	MILLIMETERS MA MAX.	NOTE
A	.320	.468	8.13	11.88	
A1	—	.250	—	6.35	3
ØD	—	.505	—	12.82	
ØD1	.318	.380	8.08	9.65	
ØD2	.380	.437	9.66	11.09	3
E	.423	.438	10.75	11.12	
e	.185	.215	4.70	5.46	5
e1	.090	.110	2.29	2.79	5
F1	.090	.150	2.29	3.81	2
J	.570	.763	14.48	19.38	
ØM	.155	.189	3.94	4.80	
N	.400	.455	10.16	11.55	
N1	—	.078	—	1.98	7
ØT	.040	.065	1.02	1.65	
ØT1	.040	.070	1.02	1.77	4
ØW	10-32 UNF-2A		10-32 UNF-2A		6
Z	—	.002	—	.050	
Z1	—	.006	—	.152	
NOTE	1, 2, 3, 4, 5		1, 2, 3, 4, 5		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Chamfer or undercut on one or both ends of hexagonal portion is optional.
3. The device contour with the exception of the hexagon is optional within cylinder defined by $ØD_2$ and A_1, $ØD_2$ not to exceed actual E.
4. Terminal 4 can be flattened and pierced or hook type. A visual index is required when the flattened and pierced tab terminal contour (identical to the adjacent terminals) option is used.
5. Angular orientation of terminals with respect to hexagon is optional.
6. ØW is pitch diameter of coated threads. Ref: Screw Thread Standards for Federal Services, Handbook H28, Part I.

To 215

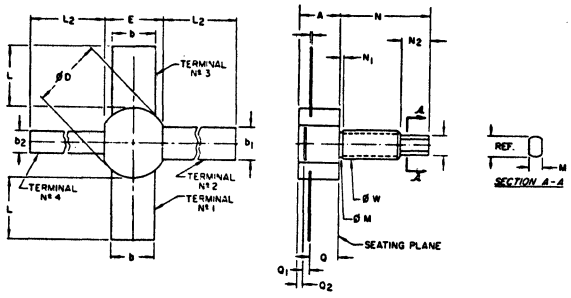


SYMBOL	INCHES AA MIN.	INCHES AA MAX.	MILLIMETERS AA MIN.	MILLIMETERS AA MAX.	NOTE
Øb	.117	.123	2.972	3.124	
Øb1	.090	.094	2.286	2.387	
ØD	.496	.504	12.599	12.801	
ØD1	.175	.185	4.445	4.699	
ØD2	.157	.167	3.988	4.241	
F1	.009	.012	.229	.304	
G	.114	.127	2.90	3.22	
G1	.027	.040	.69	1.01	
L	.098	.105	2.490	2.667	
L2	.179	.191	4.55	4.85	
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.

To 216

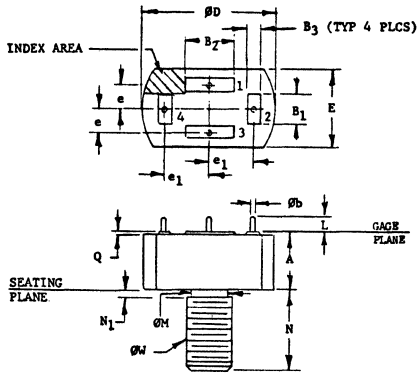


SYMBOL	INCHES AA MIN.	INCHES AA MAX.	MILLIMETERS AA MIN.	MILLIMETERS AA MAX.	NOTE
A	.150	.230	3.81	5.84	
b	.195	.205	4.953	5.207	
b_1	.135	.145	3.429	3.683	
b_2	.095	.105	2.413	2.667	
c	.004	.010	.102	.254	2
ØD	.305	.320	7.75	8.12	3
$ØD_1$	.110	.130	2.80	3.30	
E	.275	.300	6.99	7.62	3
L	.265	.290	6.74	7.36	
L_2	.455	.510	11.56	12.95	
M	.053	.064	1.35	1.62	
ØM	.120	.163	3.05	4.14	
N	.425	.470	10.80	11.93	
N_1	—	.078	—	1.98	
N_2	.110	.150	2.80	3.81	
Q	.120	.170	3.05	4.31	
Q_1	.025	.045	.64	1.14	
Q_2	—	—	—	—	3
ØW	8-32 UNC-2A		8-32 UNC-2A		4
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Typical all leads.
3. Body contour optional within Q_2, ØD and E.
4. ØW is pitch diameter of coated threads. Ref: Unified Screw Threads, ANS B1.1-1960.

To 217



SYMBOL	INCHES AA MIN.	INCHES AA MAX.	MILLIMETERS AA MIN.	MILLIMETERS AA MAX.	NOTE
A	.295	.325	7.50	8.25	
B_1	.135	.150	3.43	3.81	
B_2	.235	.250	5.97	6.35	
B_3	.055	.065	1.397	1.651	
Øb	.020	.025	.508	.635	
ØD	.650	.680	16.51	17.27	
E	.360	.380	9.15	9.65	
e	.111	.131	2.82	3.32	3
e_1	.213	.233	5.42	5.91	3
L	.069	.088	1.76	2.23	
ØM	.220	.249	5.59	6.32	
N	.420	.460	10.67	11.68	
N_1	—	.090	—	2.28	
Q	.000	.015	.00	.038	
ØW	1/4-28 UNF 2A		1/4-28 UNF 2A		2
NOTE	1		1		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. ØW is pitch diameter of coated threads. Ref: Unified Screw Threads, ANS B1.1-1960.
3. Lead spacing to be measured at the Gage Plane.

To 219

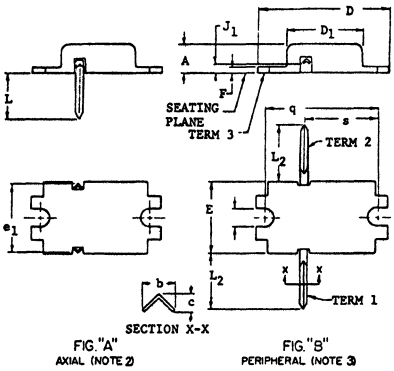


FIG. "A" AXIAL (NOTE 2)

FIG. "B" PERIPHERAL (NOTE 3)

SYMBOL	INCHES AA MIN.	INCHES AA MAX.	INCHES AB MIN.	INCHES AB MAX.	MILLIMETERS AA MIN.	MILLIMETERS AA MAX.	MILLIMETERS AB MIN.	MILLIMETERS AB MAX.	NOTE
A	.160	.200	.160	.200	4.07	5.08	4.07	5.08	
b	.045	.060	.045	.060	1.15	1.52	1.15	1.52	
c	.025	.045	.025	.045	.64	1.14	.64	1.14	
D	.890	.910	.890	.910	22.61	23.11	22.61	23.11	
D_1	.480	.515	.480	.515	12.20	13.08	12.20	13.08	
E	.480	.520	.480	.520	12.20	13.20	12.20	13.20	
e_1	.460	.505	—	—	11.69	12.82	—	—	5
F	.055	.070	.055	.070	1.40	1.77	1.40	1.77	
J_1	—	—	.100	.120	—	—	2.54	3.04	
L	.370	.450	—	—	9.40	11.43	—	—	
L_2	—	—	.415	.560	—	—	10.54	14.22	
p	.128	.150	.128	.150	3.26	3.81	3.26	3.81	
q	.740	.760	.740	.760	18.80	19.30	18.80	19.30	
s	.500	.520	.500	.520	12.70	13.20	12.70	13.20	
NOTE	1, 2, 4		1, 3, 4		1, 2, 4		1, 3, 4		

NOTES:

1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Figure "A", Axial Terminal Configuration, applicable.
3. Figure "B", Peripheral Terminal Configuration, applicable.
4. Terminal end configurations are optional.
5. e_1 is measured at seating plane.

To 220

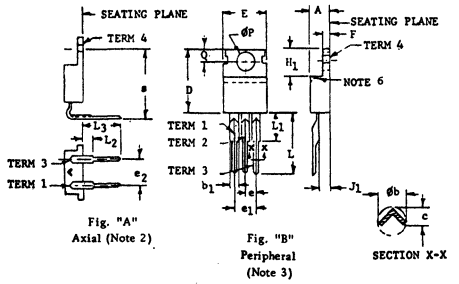


Fig. "A" Axial (Note 2)

Fig. "B" Peripheral (Note 3)

SYMBOL	INCHES AA MIN.	INCHES AA MAX.	INCHES AB MIN.	INCHES AB MAX.	MILLIMETERS AA MIN.	MILLIMETERS AA MAX.	MILLIMETERS AB MIN.	MILLIMETERS AB MAX.	NOTE
A	.140	.190	.140	.190	3.56	4.82	3.56	4.82	
b_1	.045	.070	.045	.070	1.15	1.77	1.14	1.77	
Øb	.020	.045	.020	.045	.51	1.14	.51	1.14	4
c	.012	.045	.012	.045	.31	1.14	.31	1.14	4
D	.560	.625	.560	.625	14.23	15.87	14.23	15.87	
E	.380	.420	.380	.420	9.66	10.66	9.66	10.66	5
e	—	—	.090	.110	—	—	2.29	2.79	8
e_1	—	—	.190	.210	—	—	4.83	5.33	8
e_2	.190	.210	—	—	4.83	5.33	—	—	7
F	.020	.055	.020	.055	.51	1.39	.51	1.39	
H_1	.230	.270	.230	.270	5.85	6.85	5.85	6.85	5
J_1	.080	.115	.080	.115	2.04	2.92	2.04	2.92	
L	—	—	.500	.562	—	—	12.70	14.27	
L_1	—	—	—	.250	—	—	—	6.35	
L_2	—	.050	—	—	—	1.27	—	—	
L_3	.360	.422	—	—	9.15	10.71	—	—	
øP	.139	.147	.139	.147	3.531	3.733	3.531	3.733	
Q	.100	.120	.100	.120	2.54	3.04	2.54	3.04	
s	.580	.610	—	—	14.74	15.49	—	—	
NOTE	1, 2		1, 3		1, 2		1, 3		

NOTES:

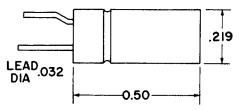
1. Refer to rules for dimensioning semiconductor product outlines included in Publication No. 76.
2. Figure "A", Axial Terminal Configuration, applicable.
3. Figure "B", Peripheral Terminal Configuration, applicable.
4. Alternate lead configurations allowed within Øb and c.
5. Tab contour optional within H_1 and E.
6. Chamfer optional.
7. Position of lead to be measured .050 - .055 below seating plane.
8. Position of lead to be measured .250 - .255 from bottom of dimension "D".

Transistor Outlines

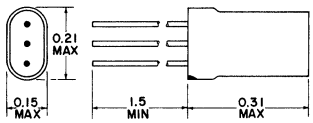
The outlines for transistors that do not have TO numbers are given in this section. They are listed with a number and a letter, such as 210A. The number "210" corresponds to the one used in the Lead and Terminal Identification section. Since there are a number of different physical shapes that have the same lead or terminal arrangement, a number is used to refer to the terminals (210), and a letter (A, B, C, etc.) is used to designate the particular outline drawing.

For additional information relating to outline drawings, refer to Registered Transistor Outlines. **NOTE: Outline dimensions are in INCHES.**

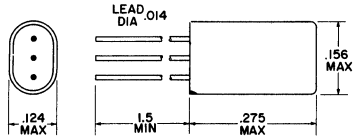
1A



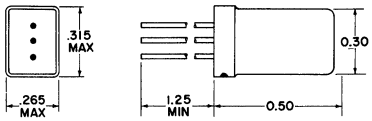
5A



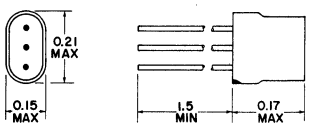
5B



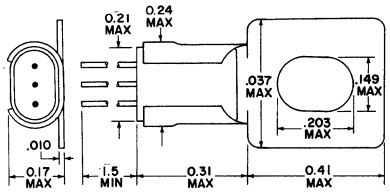
5C



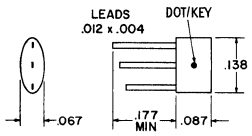
5D



5X



8A



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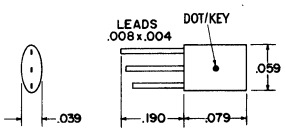

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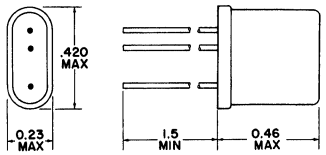

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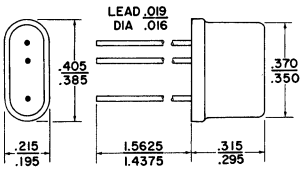

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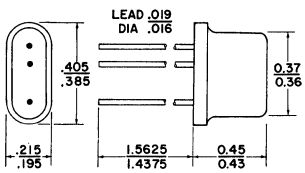

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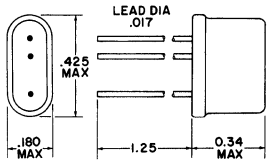

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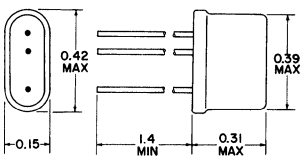

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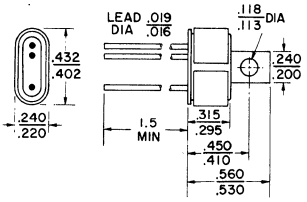

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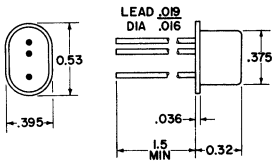

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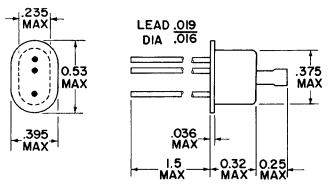

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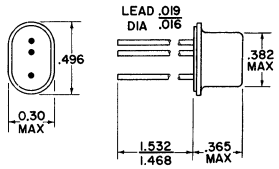

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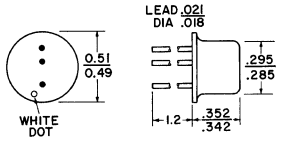

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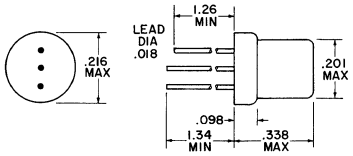

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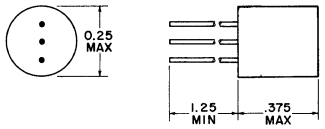

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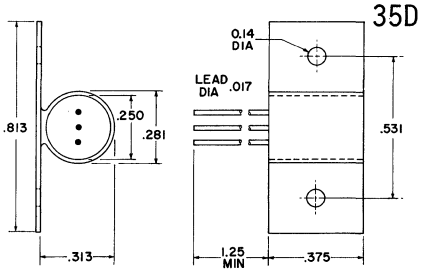

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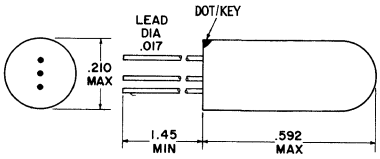

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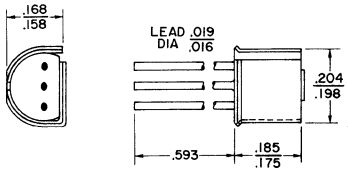

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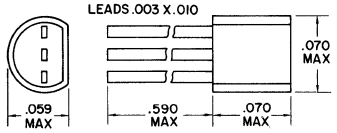

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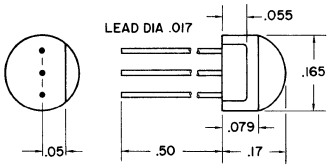

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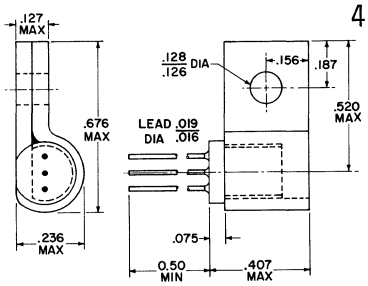

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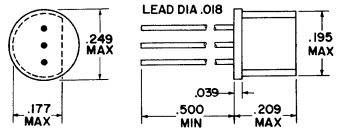

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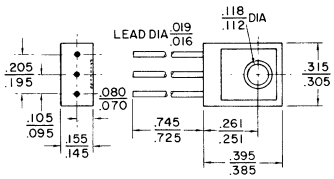

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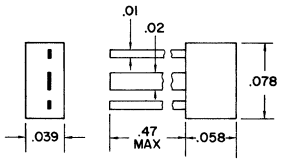

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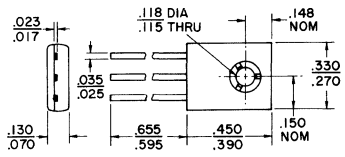

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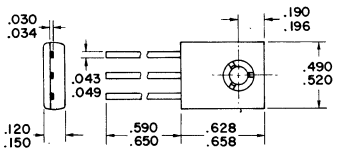

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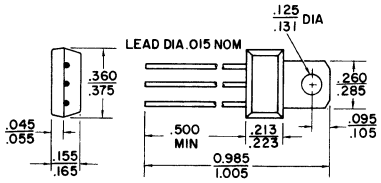

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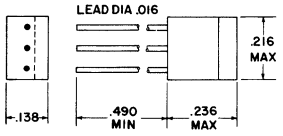

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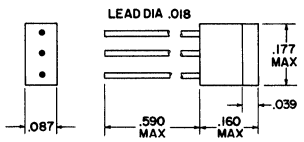

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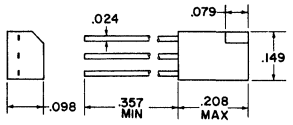

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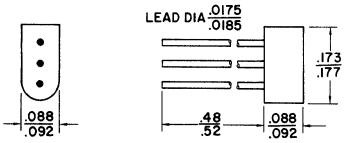

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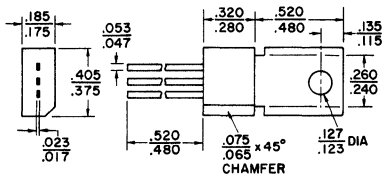

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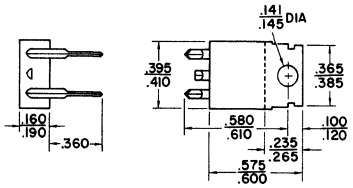

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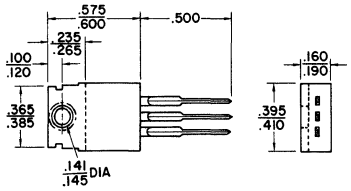

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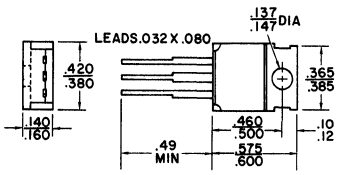

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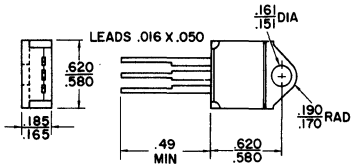

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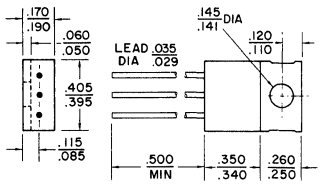

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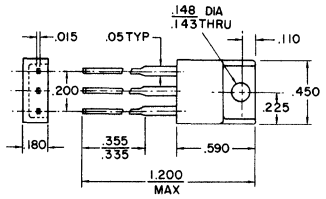

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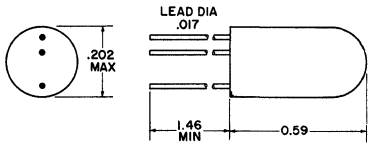

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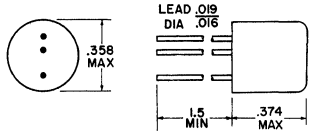

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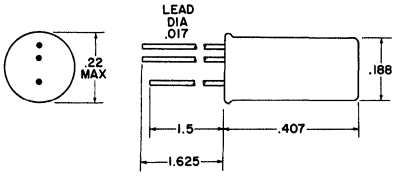

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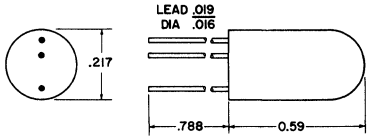

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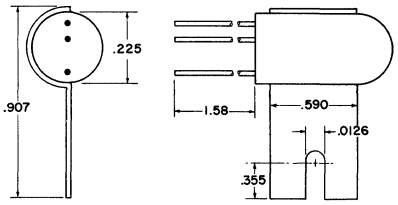

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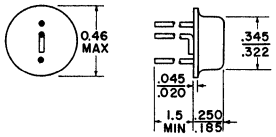

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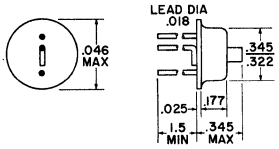

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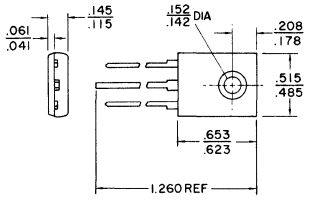

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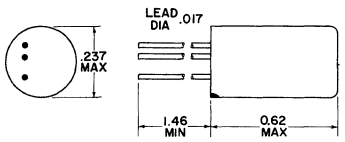

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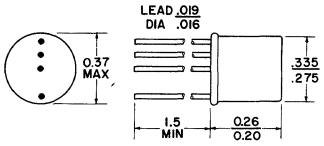

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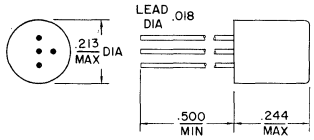

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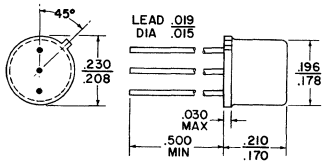

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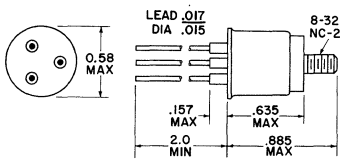

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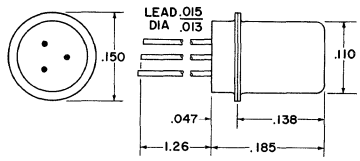

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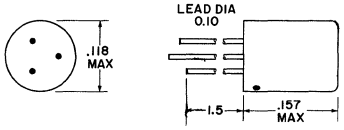

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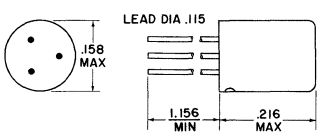

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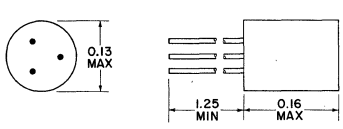

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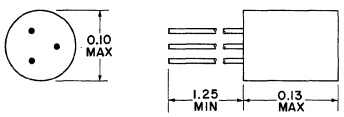

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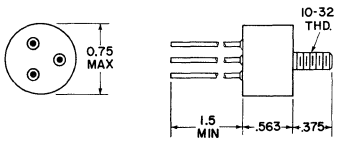

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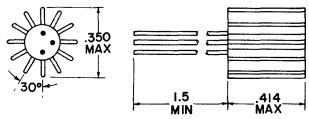

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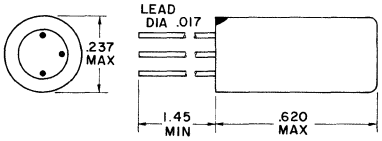

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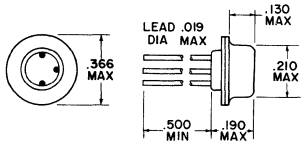

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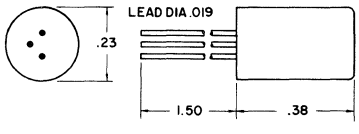
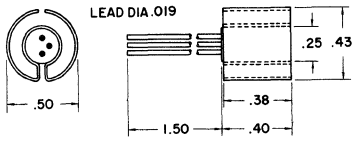
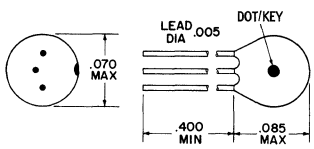


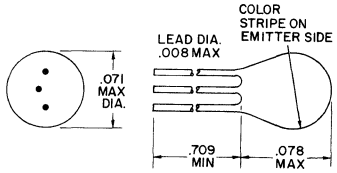
120K



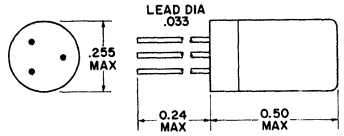
132A



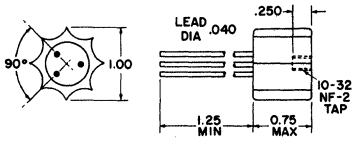
133A



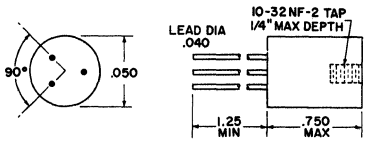
146C



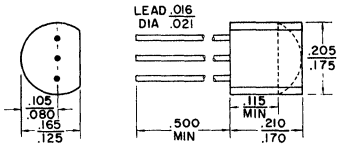
148A



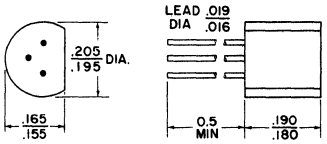
148B



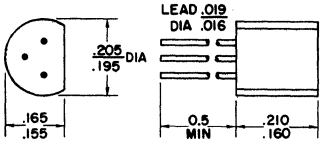
166A



168A



168B



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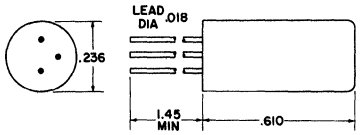
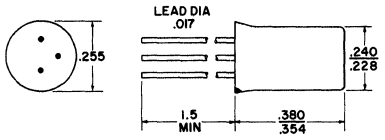
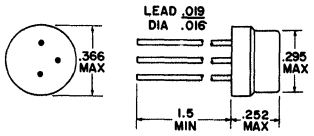


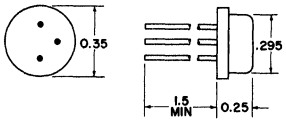
170A



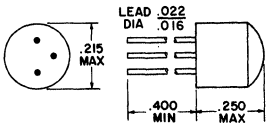
170B



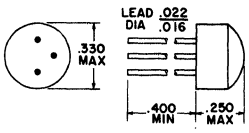
170E



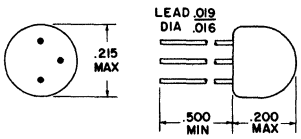
170F



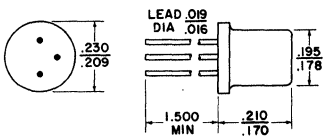
170G



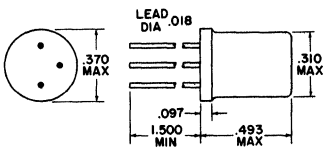
170H



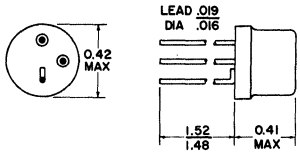
170J



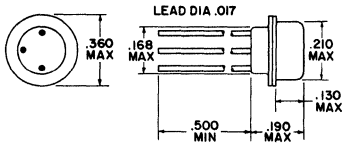
170K



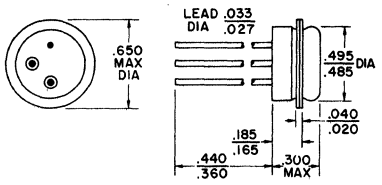
171A



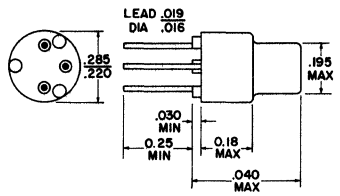
171D



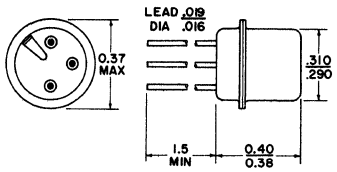
171L



171S



172A



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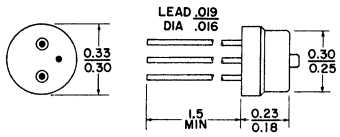
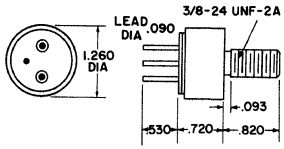


172E



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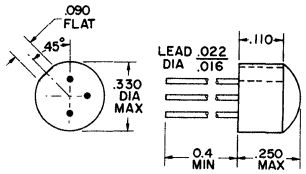

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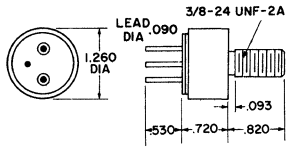

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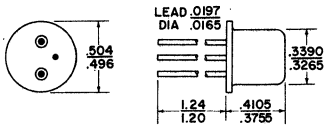

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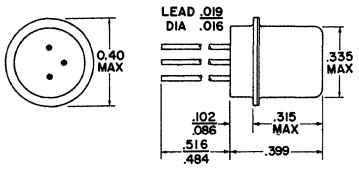

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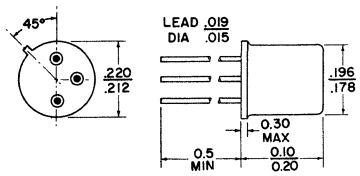
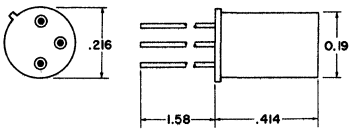
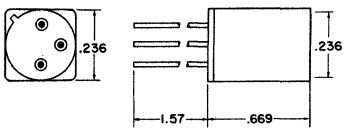


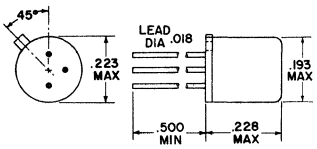
210C



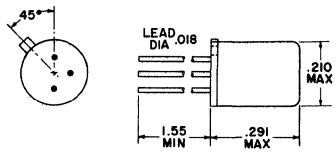
210D



210G



210H



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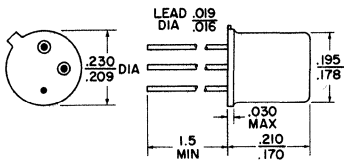

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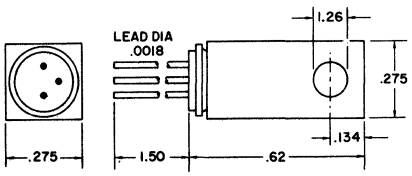

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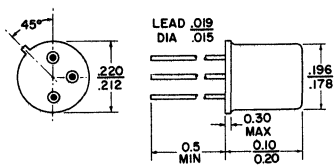

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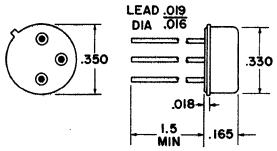

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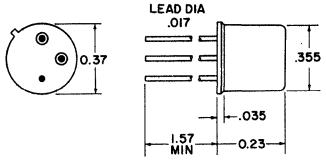

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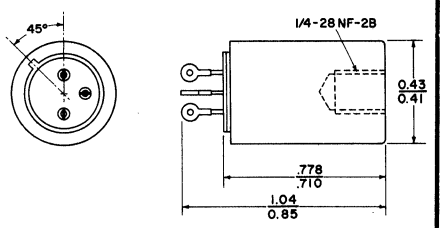

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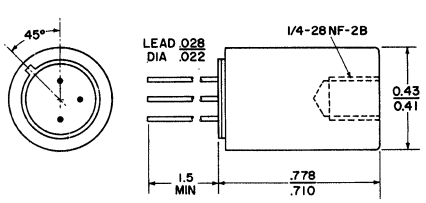

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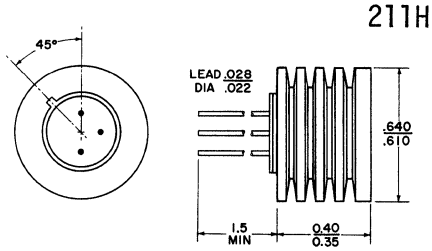
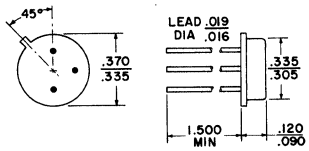
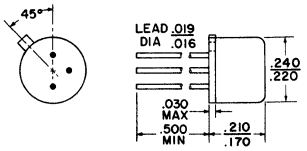


211K



211L



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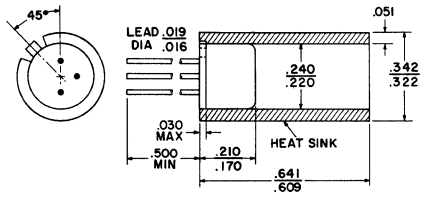

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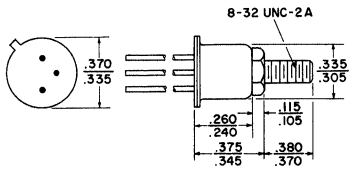

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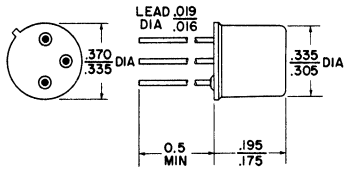

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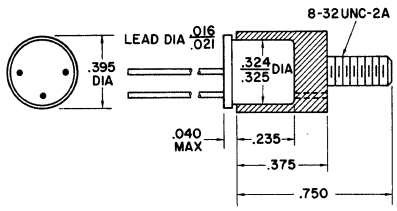

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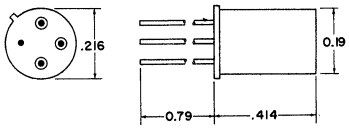
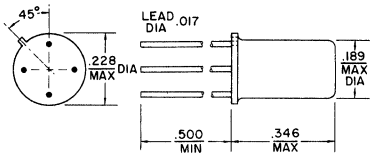
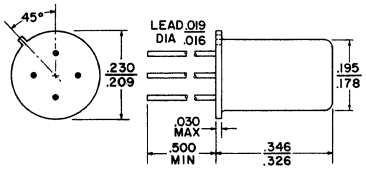


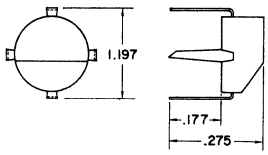
217E



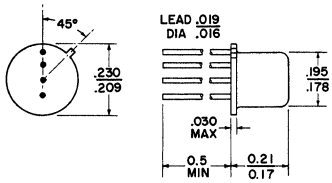
218E



230A



250A



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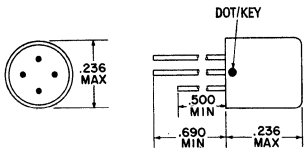
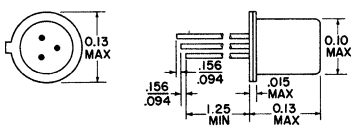
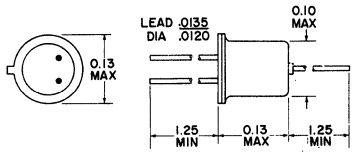


295A



315A



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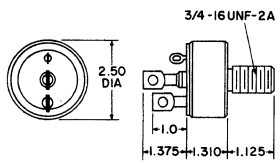
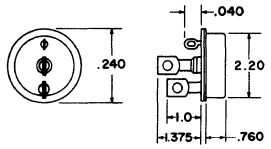
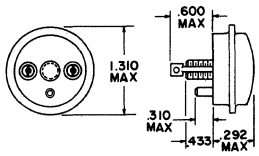


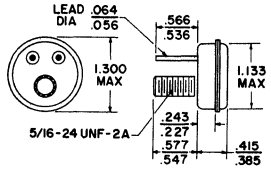
390B



405A



414A



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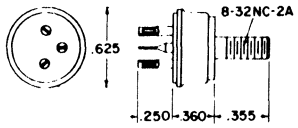

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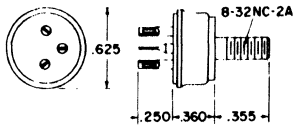

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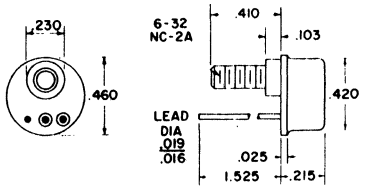

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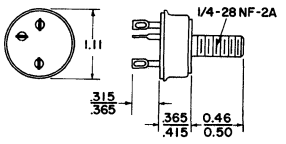

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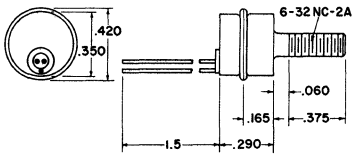

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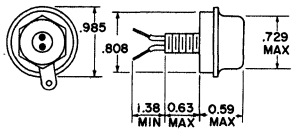

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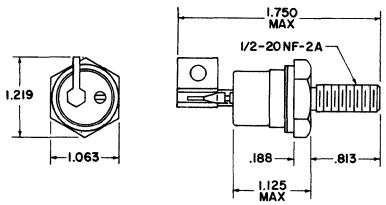

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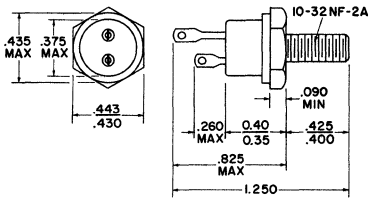

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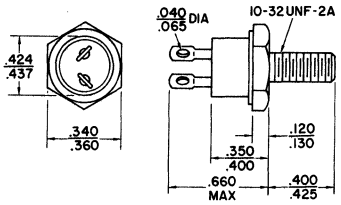

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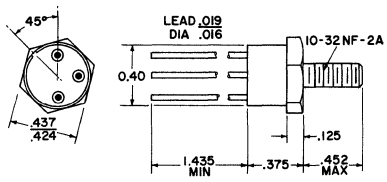

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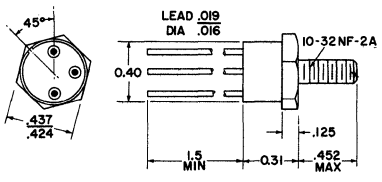

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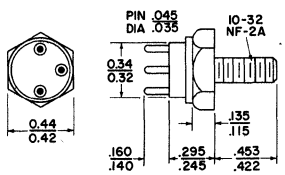

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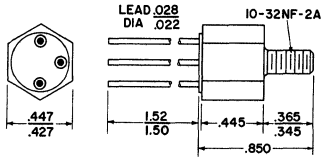

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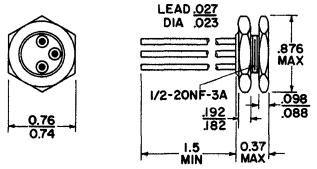

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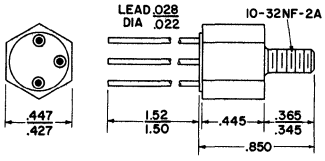

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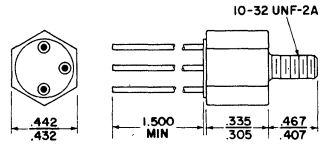

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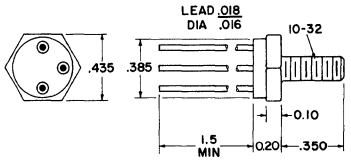

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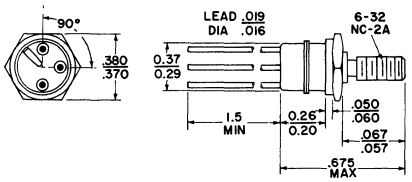

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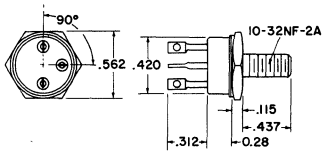

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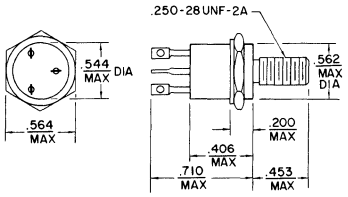

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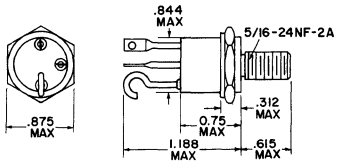

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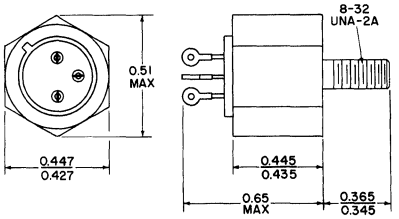

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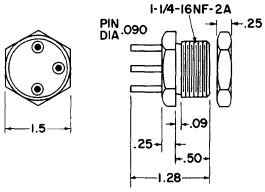

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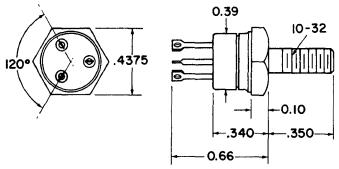

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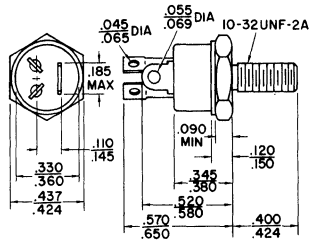

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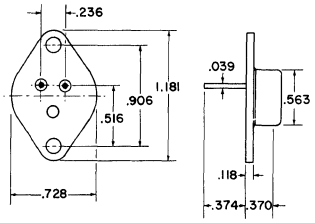

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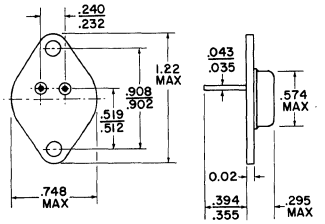

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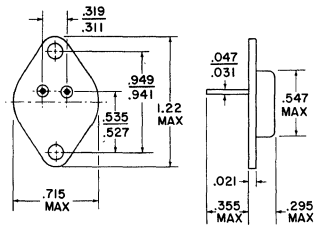

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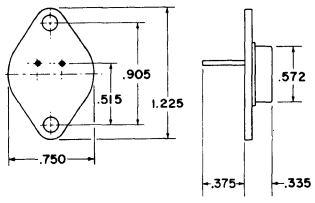

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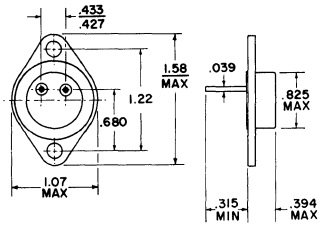

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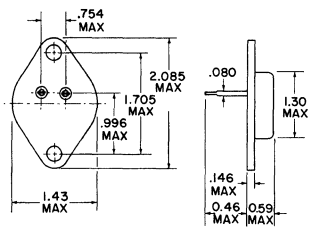

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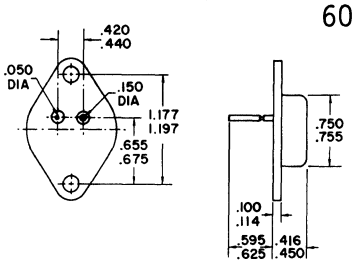

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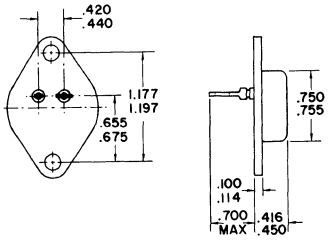

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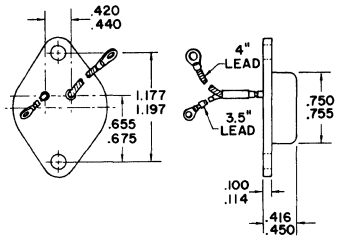

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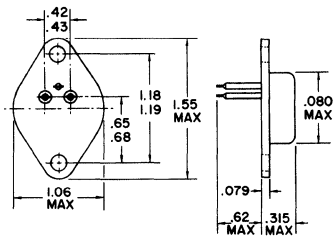

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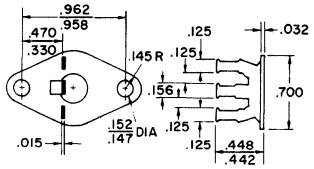

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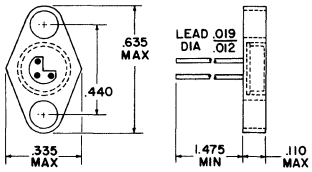

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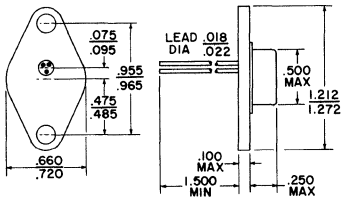

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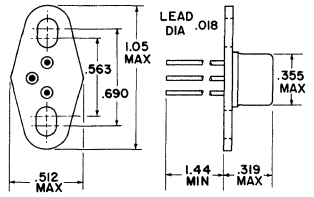

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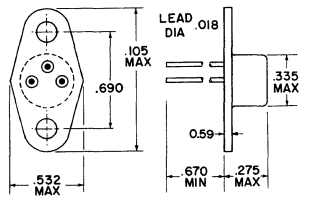

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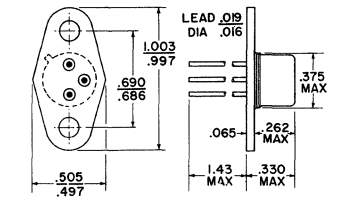

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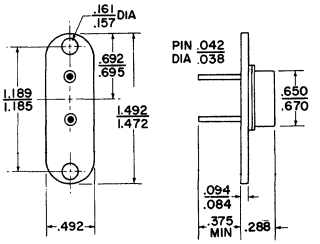

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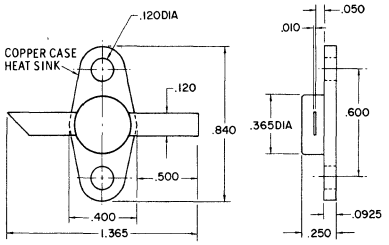

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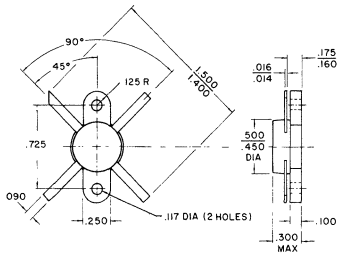

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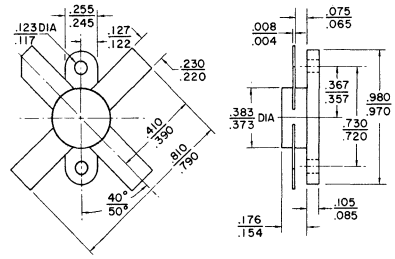

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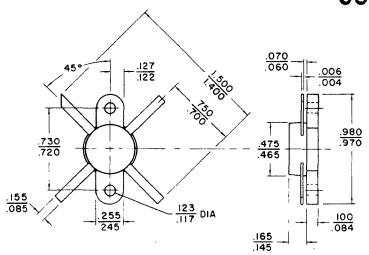

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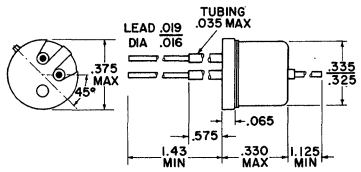

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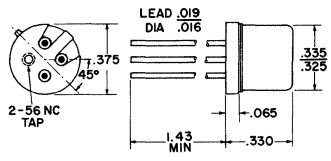

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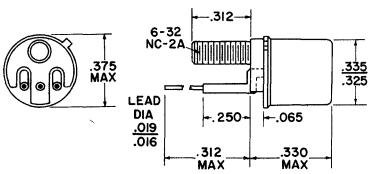

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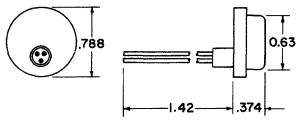

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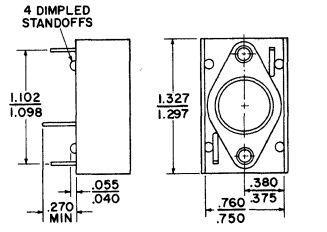

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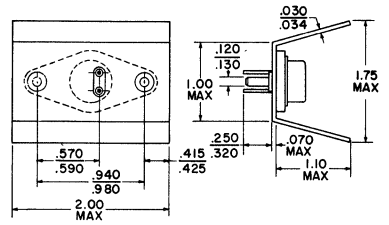

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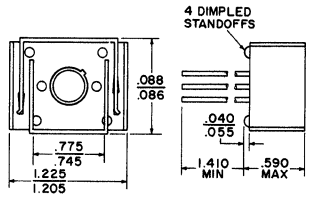

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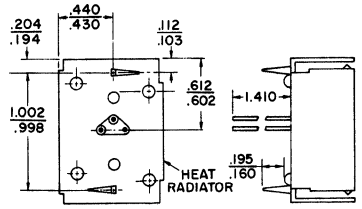

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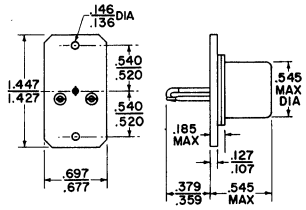

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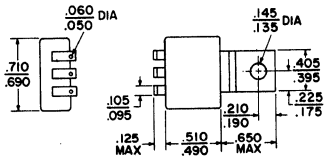

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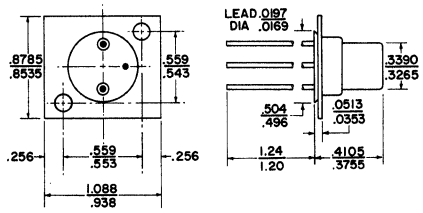

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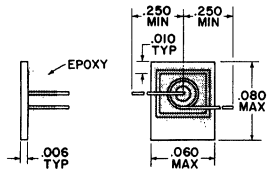

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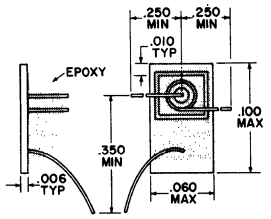

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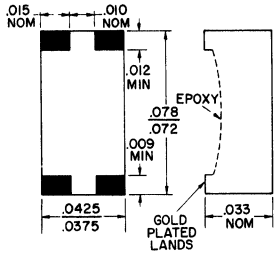

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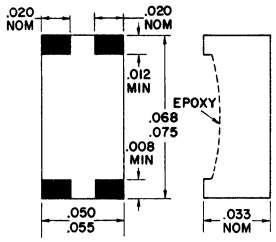

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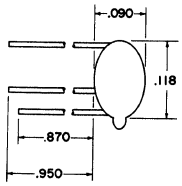

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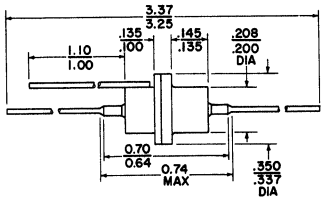

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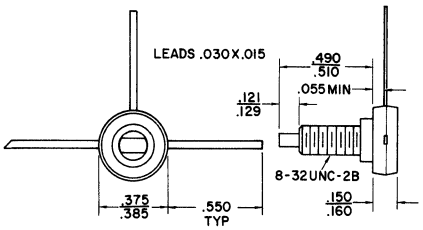

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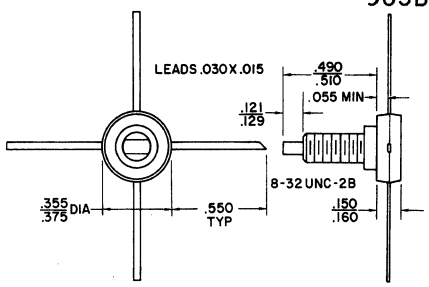

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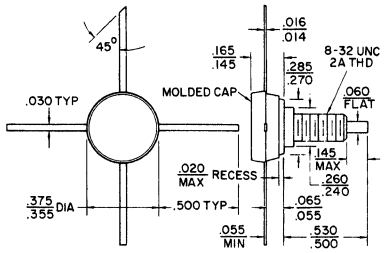

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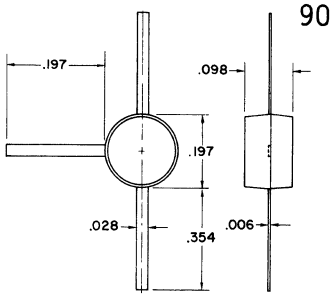

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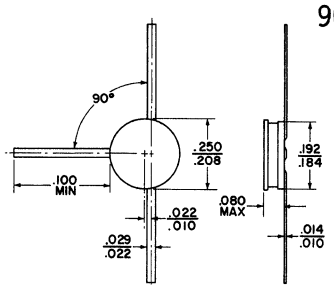

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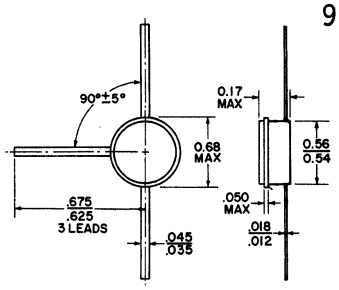

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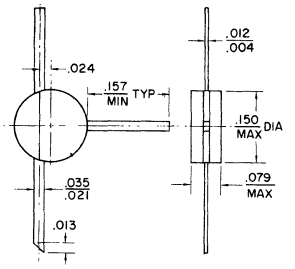

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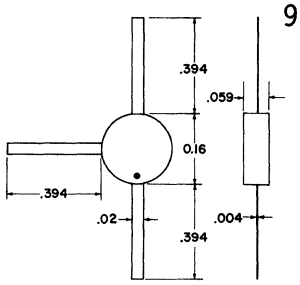

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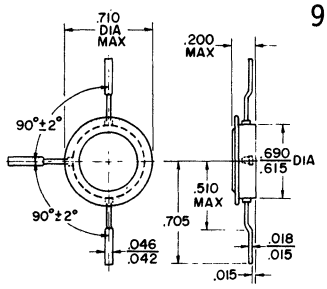

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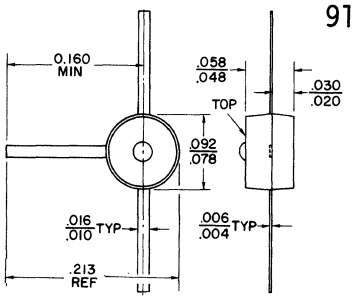

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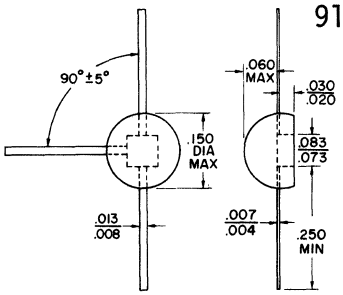

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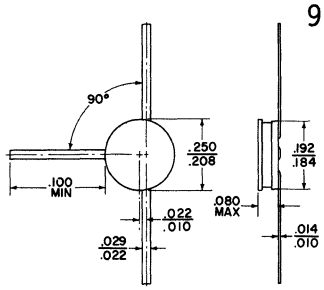

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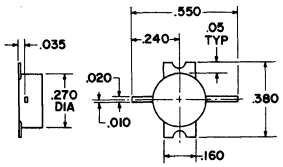

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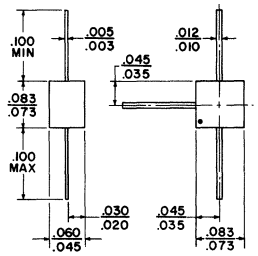

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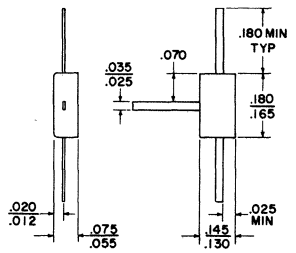

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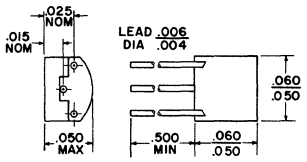

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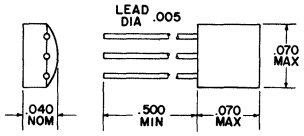

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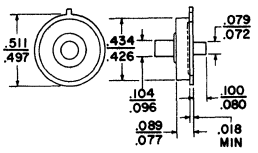

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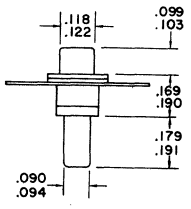

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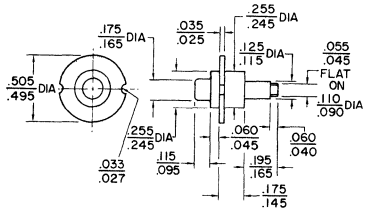

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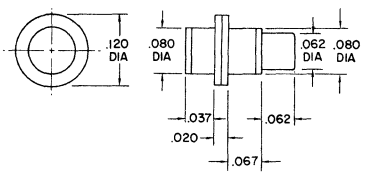

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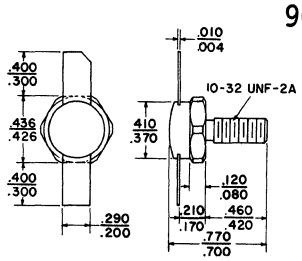

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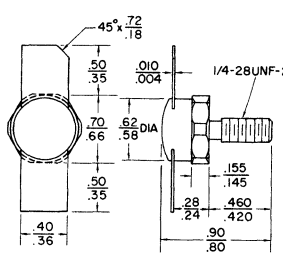

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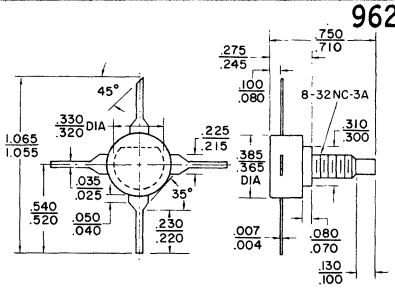

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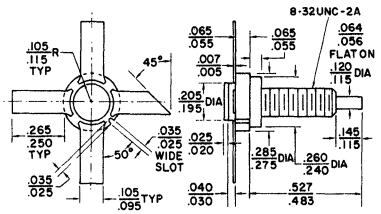

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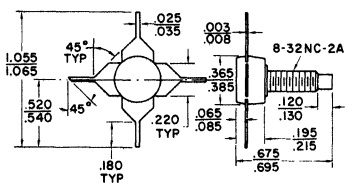

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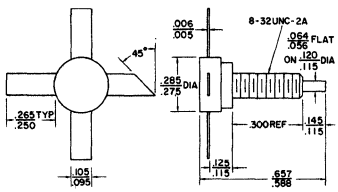

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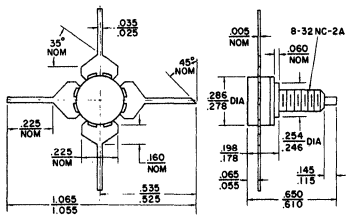

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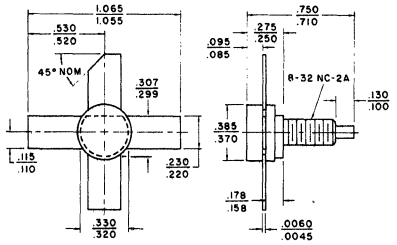

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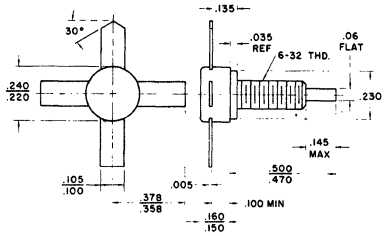

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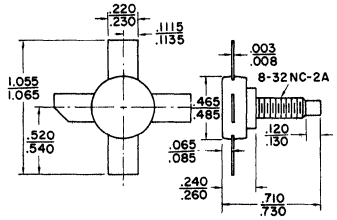

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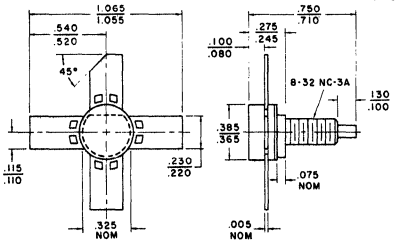

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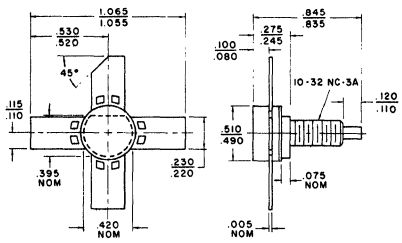

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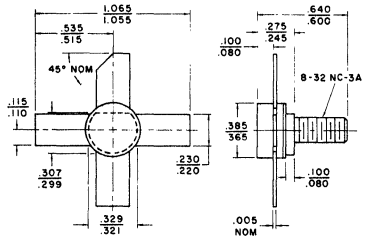

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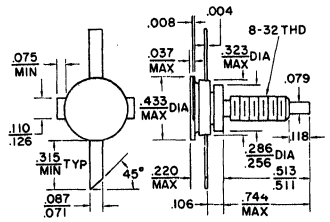

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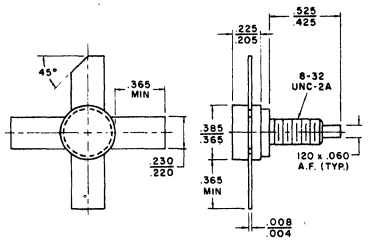

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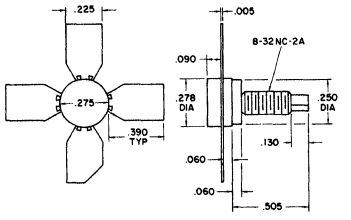

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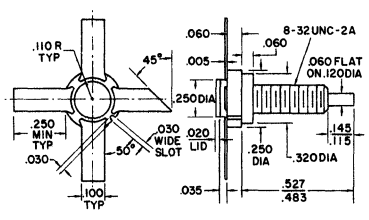

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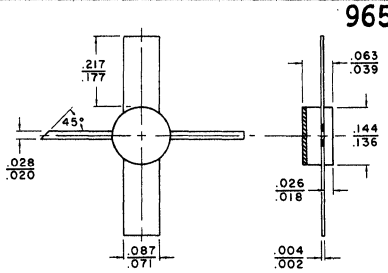

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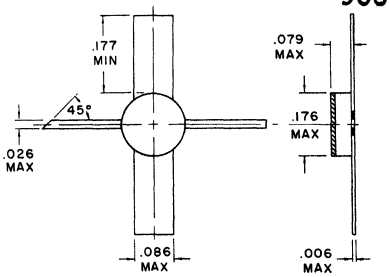

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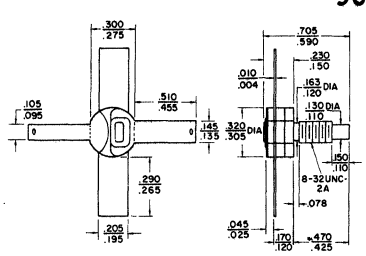

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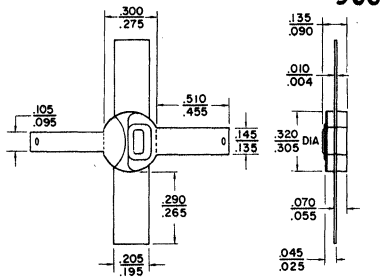

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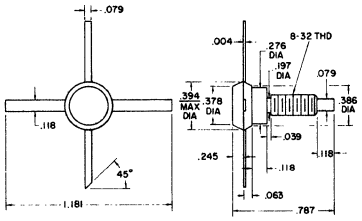

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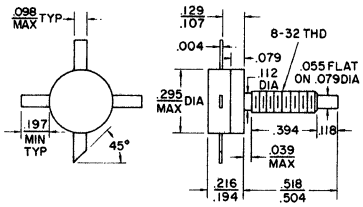

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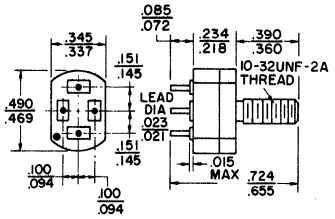

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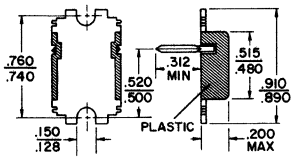

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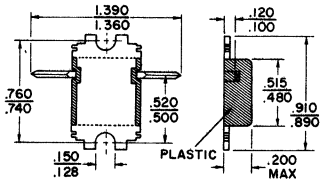

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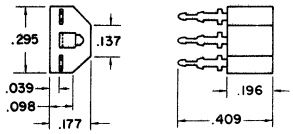

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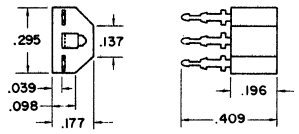


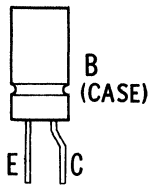
Lead and Terminal Identification

Identification of the leads or terminals of a semiconductor device is necessary before it can be connected into a circuit. A quick review of this section will show that it is nearly impossible to memorize which lead is the emitter, base, or collector.

Every transistor in this manual has a Lead Ident. number that corresponds to one of the diagrams in this section. These diagrams show the physical arrangement of the leads and terminals and identify each one as emitter "E", base "B", collector "C", or CASE. When the terminal is connected to both semiconductor and case, the designation shows both connections. For example, B(CASE) indicates that the base and the case are connected together. This is often ignored (but should not be) when a transistor is considered for inclusion in a circuit. Any one of the three terminals (E, B, or C) can be connected to the case; if the wrong terminal is so connected in some circuits, the frequency response can be affected. Also, this may place the case at the wrong potential, and an accidental short may destroy the transistor.

It is essential to check the terminals of the transistor carefully, and to be sure they are identified correctly, before the transistor is connected in the circuit.

1



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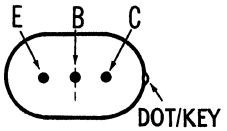

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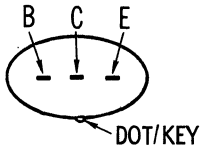

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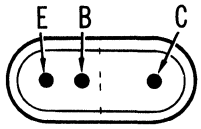

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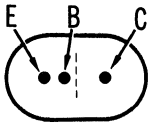

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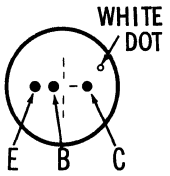

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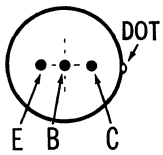

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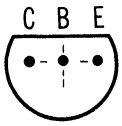

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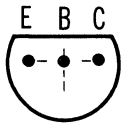

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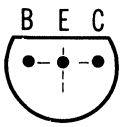

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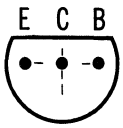

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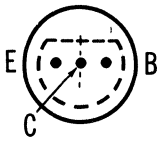

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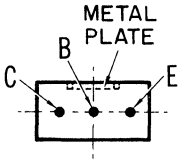

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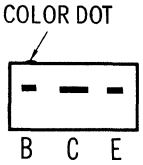

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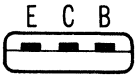
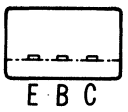
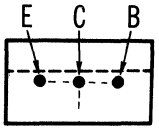
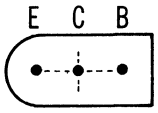
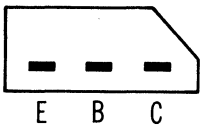
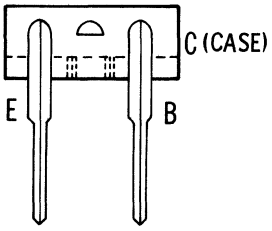
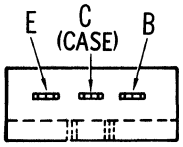
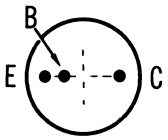
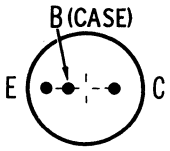
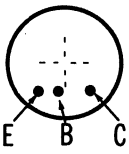
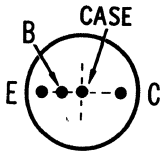
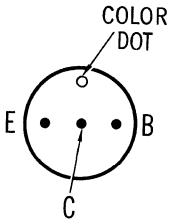
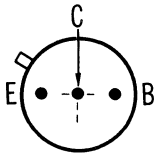
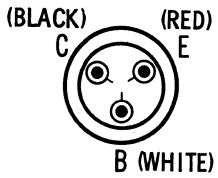
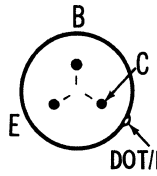
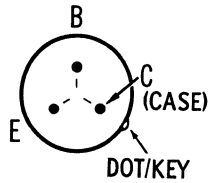
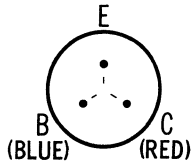
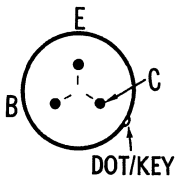
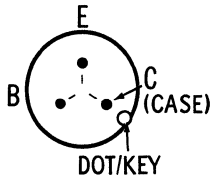
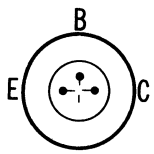
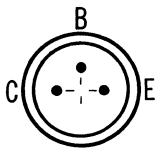
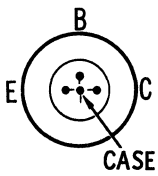
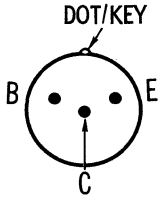
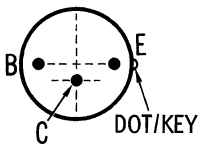
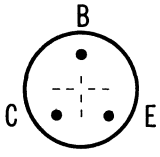


49 	50 	51 	52 
53 	54 	55 	57 
60 	75 	79 	80 
100 	105 	106 	110 
116 	117 	120 	124 
128 	132 	133 	146 

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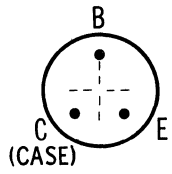

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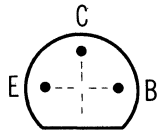

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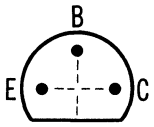

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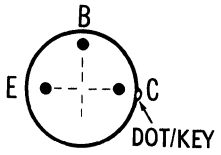

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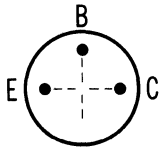

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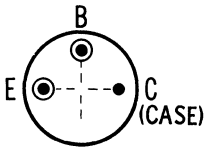

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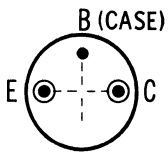

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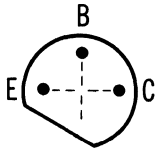

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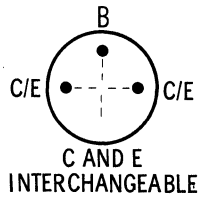

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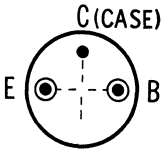

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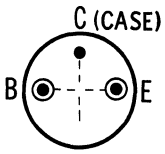

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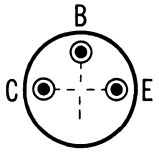

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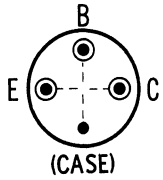

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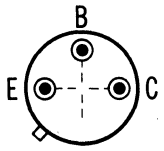

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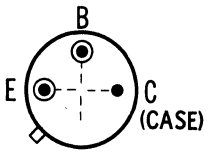

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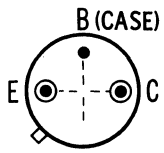

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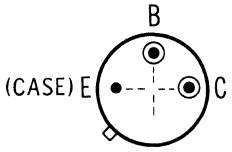

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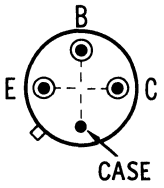

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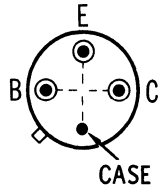

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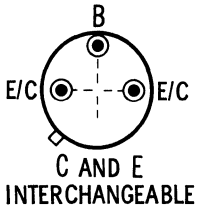

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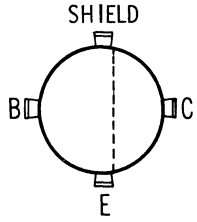

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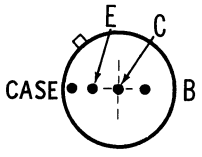

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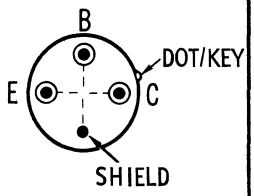

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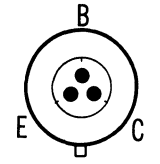

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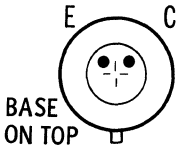

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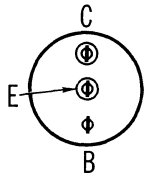

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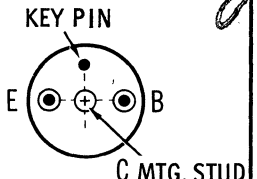

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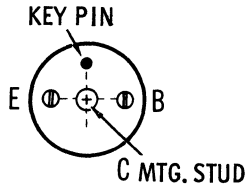

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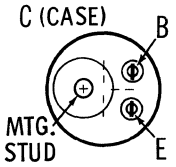

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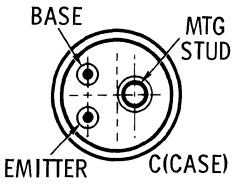

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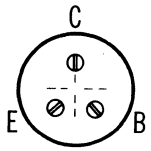

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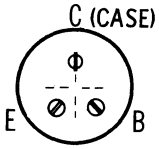

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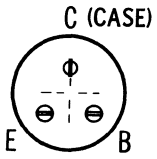

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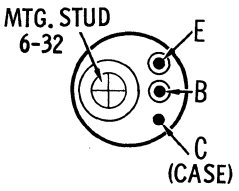

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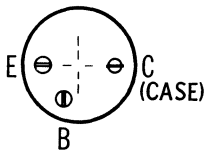

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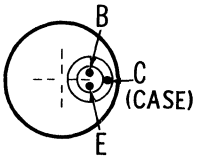

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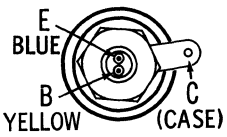

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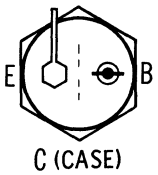

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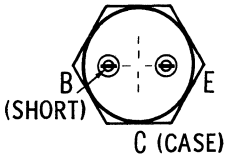

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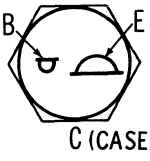

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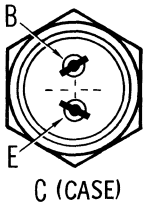

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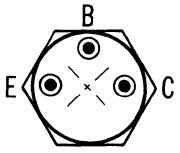

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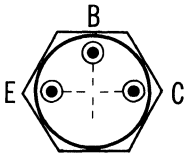

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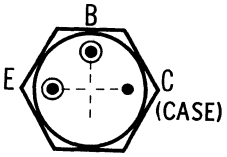

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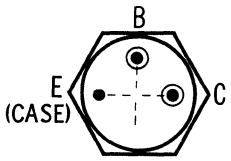

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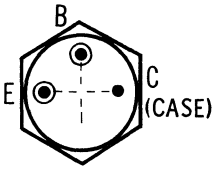

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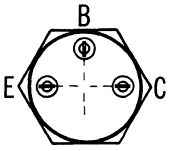

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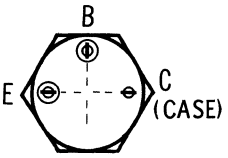

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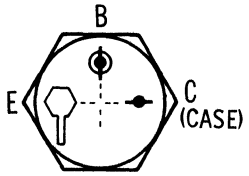

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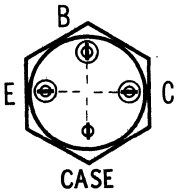

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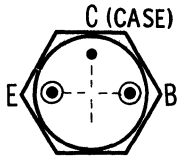

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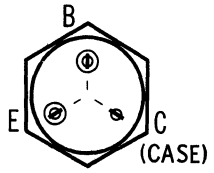

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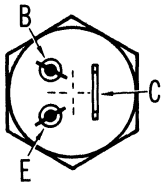

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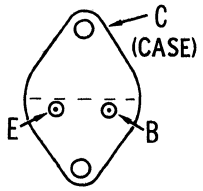

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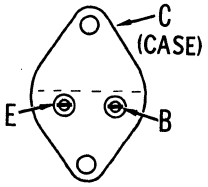

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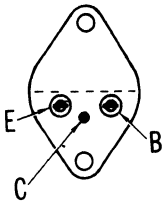

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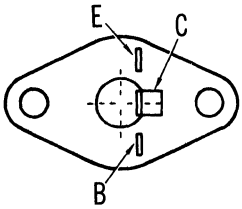

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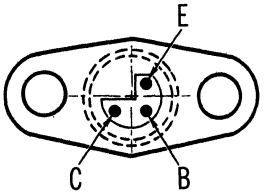

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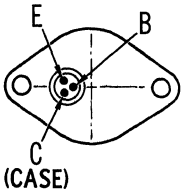

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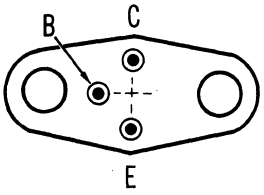

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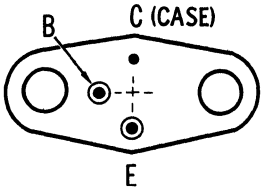

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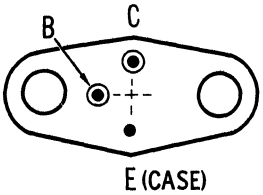

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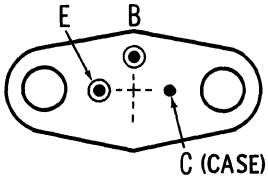

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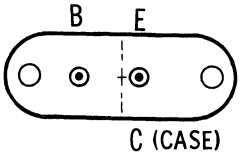

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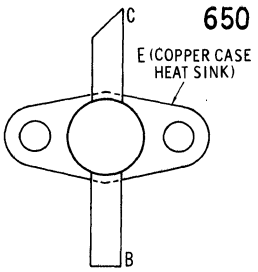

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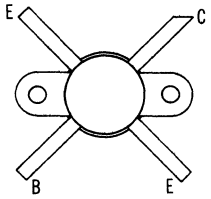

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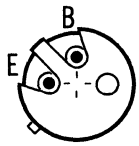

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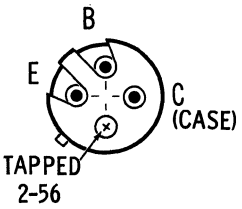

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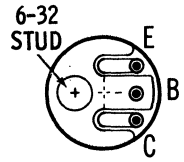

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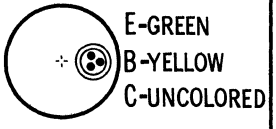

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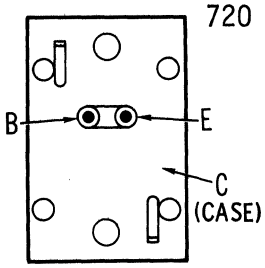

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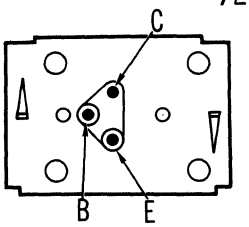

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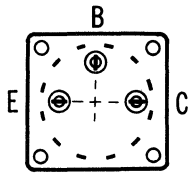

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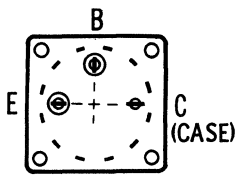

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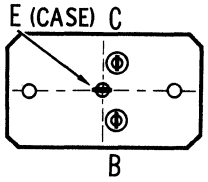

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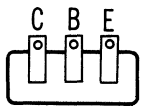

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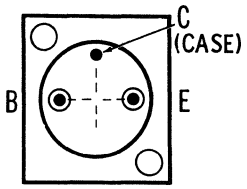

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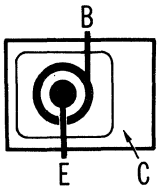

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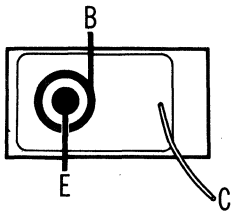

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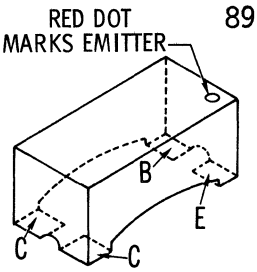

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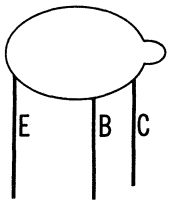

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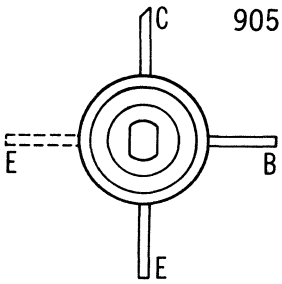

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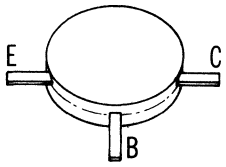

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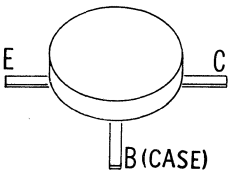

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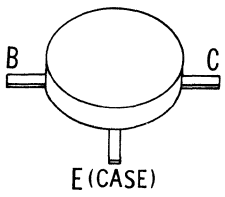

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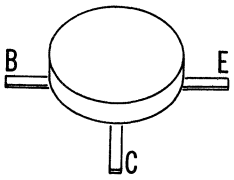

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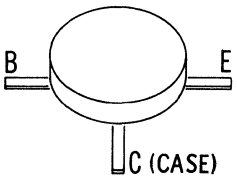

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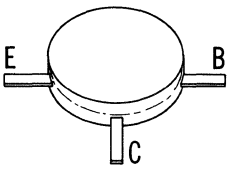

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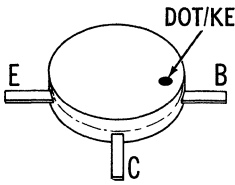

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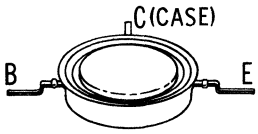

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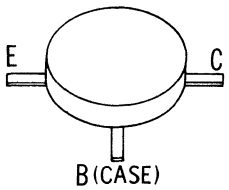

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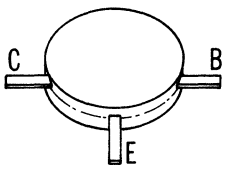

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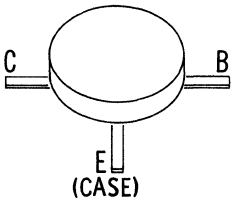

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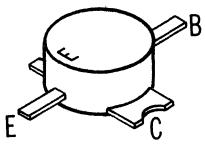

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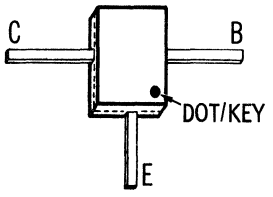

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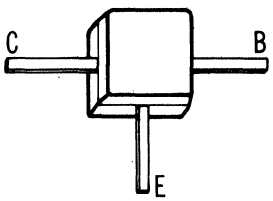

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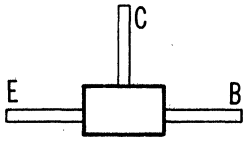

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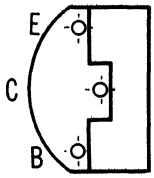

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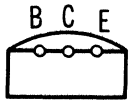

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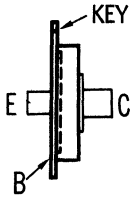

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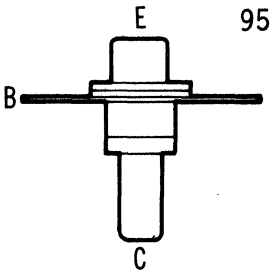

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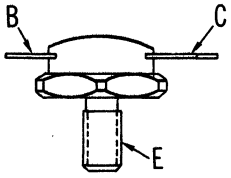

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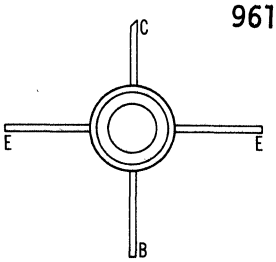

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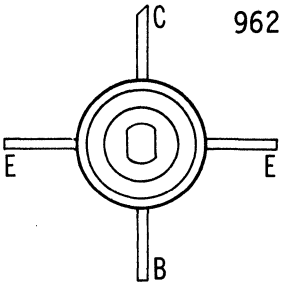

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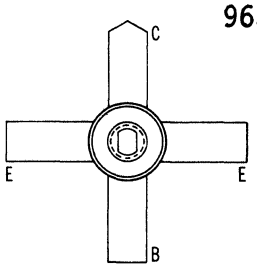

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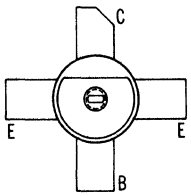

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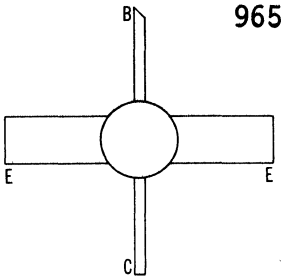

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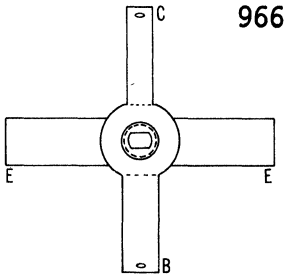

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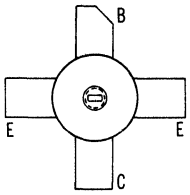

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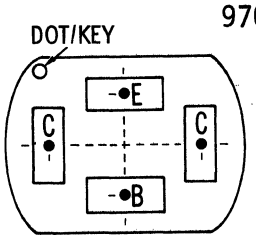

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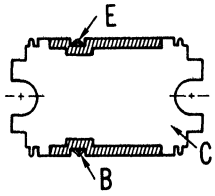

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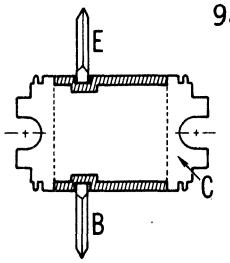

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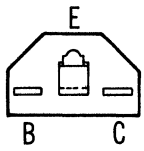

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