

BI-POLAR TRANSISTORS

NTE Type Number	Polarity and Material	Description and Application	Case Style	Diag. No.	Maximum Collector Current (Amps)	Collector to Base (Volts)	Collector to Emitter (Volts)	Emitter to Base (Volts)	Typical Forward Current Gain	Maximum Collector Power Dissipation (Watts)	Typical Freq. (MHz)
					I _C	BV _{CEO}	BV _{CE0}	BV _{EB0}	h _{FE}	P _D	f _T
88MCP	NPN/PNP Si	Matched Compl Pair Contains 1 Ea. NTE87 & NTE88	TO3	1a	10	250	250 (CEX)	5	20 Min	200	—
89	NPN-Si	Color TV Horizontal Output *Internal Damper Diode t _r = 1.0μs Max	TO3	1a	7	1500	600	6	8	50	—
90	NPN-Si	General Purpose High Gain Amp (Compl to NTE91)	Giant TO92	3b	0.05	120	120	5	400 Min	0.75	350
91	PNP-Si	General Purpose High Gain Amp (Compl to NTE90)	Giant TO92	3b	0.05	120	120	5	400 Min	150	20
92	NPN-Si	Hi-Fi Power Amp, Audio Output (Compl to NTE93)	—	13	15	200	200	6	120	150	20
93	PNP-Si	Hi-Fi Power Amp, Audio Output (Compl to NTE92)	—	13	15	200	200	6	120	150	20
93MCP	NPN/PNP Si	Matched Compl Pair Contains 1 Ea. NTE92 & NTE93									
94	NPN-Si	High Voltage Inverter, Converter, Regulator and Switching Circuits	TO3	1a	5	300	300	5	40	100	2.5 Min
95	NPN-Si	High Voltage, High Power Switching	TO59 Isol Stud/ TO111	18b/ 18a	3	250	250	6	90 Min	40	40
96	NPN-Si	Switching Power Transistor	TO59 Isol Stud	18b	7	100	100	6	60 Min	60	30 Min
97	NPN-Si	HV Darlington Pwr Amp, Fast Sw	TO3	1a	10	500	400	8	40 Min	150	—
98	NPN-Si	HV Darlington Pwr Amp, Fast Sw	TO3	1a	20	700	500	8	40 Min	175	—
99	NPN-Si	HV Darlington Pwr Amp, Fast Sw	TO3	1a	50	600	400	8	25 Min	250	—
100	PNP-Ge	Oscillator, Mixer for AM Radio, Medium Speed Switch (Compl to NTE101)	TO5	25a	0.3	25	20 (CER)	12	40 @ 455kHz	0.15	5
101	NPN-Ge	Oscillator, Mixer for AM Radio, Medium Speed Switch (Compl to NTE100)	TO5	25a	0.3	25	20 (CER)	20	40 @ 455kHz	0.15	5
102	PNP-Ge	Power Output, Driver, Switch (Compl to NTE103)	TO5	25a	0.15	25	24 (CES)	12	90	0.15	—
102A	PNP-Ge	Medium Power Amplifier (Compl to NTE103A)	TO1	26	1	32	32 (CES)	10	120	0.65	—
103	NPN-Ge	Power Output Driver, Switch (Compl to NTE102)	TO5	25a	0.3	30	16 (CER)	25	115	0.15	—
103A	NPN-Ge	Medium Power Amplifier (Compl to NTE102A)	TO1	26	1	32	32 (CES)	10	110	0.65	—
104	PNP-Ge	Audio Power Amp	TO3	1a	10	50	35 (CER)	10	90	100	10kHz
104MP	PNP-Ge	Matched Pair of NTE104									
105	PNP-Ge	Audio Pwr Amp	TO36	27	15	50	35 (CER)	20	90	150	10kHz
106	PNP-Si	Amp, OSC, FM Mixer, Ultra Hi Speed Switch	TO18	28a	0.05	35	15	4.5	50 Min	0.35	650 Min
107	NPN-Si	UHF Oscillator for Tuner, High Frequency	TO92	9c	0.05	30	12	3	75	0.2	1000
108	NPN-Si	RF-IF Amp and OSC	TO92	9a	0.05	30	15	2	20 Min	0.625	800
108-1	NPN-Si		TO106	29a							
121	PNP-Ge	Audio Power Amp	TO3	1a	5	60	30	30	75 Min	90	4kHz
121MP	PNP-Ge	Matched Pair Of NTE121									
123	NPN-Si	Amp, Audio to VHF Freq., Sw	TO39	21a	0.8	75	40	6	200	0.8	300 Min

MP = Matched Pairs;
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**Denotes Surface Mount Types; *T_C = 25°C

See Diagrams, beginning on Page 1-42

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