

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 _{CSO}	BV _{CEO}	BV _{EBO}	h _{FE}	P _D	f _T
59	PNP-Si	High Pwr Audio Output (Compl to NTE58)	—	13	17	200	200	6	30 Min	200	20
60	NPN-Si	High Pwr Audio, Disk Head Positioner, Linear Applications (Compl to NTE61)	TO3	1a	20	140	140	5	150 Max	250	2 Min
60MP	NPN-Si	Matched Pair of NTE60									
61	PNP-Si	High Pwr Audio, Disk Head Positioner, Linear Applications (Compl to NTE60)	TO3	1a	20	140	140	5	150	250	2 Min
61MCP	NPN/PNP Si	Matched Compl Pair Contains 1 Ea. NTE60 & NTE61									
61MP	PNP-Si	Matched Pair of NTE61									
62	NPN-Si	High Voltage Horiz Output t _f =1.0μs Max	TO3	1a	3	2500	900	6	7	50	—
63	NPN-Si	High Gain, Low Noise, Wideband, Sm Signal Amplifier P _G =7.5dB @ 2 GHz, NF = 4dB @ 2 GHz	—	14	0.04	20	12	3	40	0.4	5GHz
64	NPN-Si	UHF/Microwave Amp/Hi Speed Sw, P _G = 10dB @ 1 GHz, NF = 2.5dB @ 1 GHz	—	14	0.03	25	15	3	80	0.375	4.5GHz
65	NPN-Si	High Voltage, Low Noise for CATV, MATV	—	175	0.025	20	15	2	70	0.18	6GHz
68	PNP-Si	Gen Pwr High Power Audio Amp, Disk Head Positioners (Compl to NTE388)	TO3	1a	16	400	250	5	30	250*	4 Min
68MCP	PNP/NPN Si	Matched Compl Pair Contains 1 Ea. NTE68 & NTE388									
69	NPN-Si	UHF/VHF Amplifier	TO92	9b	0.05	35	25	3	60	1*	1100
70	NPN-Si	High Voltage Power Amp, Switch	TO63	15	50	180	150	6	30 Min	250	—
71	NPN-Si	High Current Amp, Fast Switch	TO63	15	20	150	90	7	20 Min	200	20
72	NPN-Si	High Current Amp, Fast Switch	TO61 Isol	16	10	120	100	6	30 Min	115	30
73	NPN-Si	High Voltage Amp, Switch t _f = 1.0μs	TO61	17	10	220	200	8	15 Min	85	40
74	NPN-Si	Amp, General Purpose, Switch	TO59	18c	7	100	100	6	60 Min	60	30
75	NPN-Si	High Power Amp, Switch	TO111	19	5	100	80	8	40 Min	50	50 Min
76	NPN-Si	Broadband CATV Amp	TO117	20	0.4	50	30	5	30 Min	5	1500
76MP	NPN-Si	Matched Pair of NTE76									
77	NPN-Si	Broadband CATV Driver	TO39	21a	0.4	50	30	5	30 Min	3.5	1500
78	NPN-Si	Series Modulation CB P _O = 3W 27MHz Communication Systems	TO202M/ TO220	22a/ 11a	0.6	36	18	4	5 Min	5	—
79	NPN-Si	Low & Mid Band VHF CB P _O =9W 27MHz Comm Syst.	TO202M	22a	2	36	18	4	5 Min	15	—
81	Dual NPN Si	Differential Amp, General Purpose Amp & Switching	TO78	23	0.5	75	40	6	100 Min	2.5 Total	250
82	Dual PNP Si	Differential Amp, General Purpose Amp & Switching	TO78	23	0.6	60	60	5	100 Min	2.5 Total	320
85	NPN-Si	General Purpose Amp, Hi-Fi Drivers	TO92	9c	0.4	70	70 (CES)	4	120 Min	0.625	200 Min
87	NPN-Si	Hi Power Audio, Switching, Converters & Inverters (Compl to NTE88)	TO3	1a	10	250	250 (CEX)	5	20 Min	200	—
87MP	NPN-Si	Matched Pair of NTE87									
88	PNP-Si	Hi Power Audio, Switching, Converters & Inverters (Compl to NTE87)									
88MP	PNP-Si	Matched Pair of NTE88									

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

See Diagrams, beginning on Page 1-42

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