

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_{CBO}	BV_{CEO}	BV_{EBO}	h_{FE}	P_D	f_T
123A	NPN-Si	Amp, Audio to VHF Freq., Switch (Compl to NTE159M)	TO18	28a	0.8	75	40	6	200	0.4	300 Min
123AP	NPN-Si	Amp, Audio to VHF Freq., Driver (Compl to NTE159)	TO92	9a	0.6	75	40	6	200	0.625	300 Min
124	NPN-Si	High Voltage Power Output Line Operated Equipment	TO66	6a	0.15	300	300	5	100	20	10
126	PNP-Ge	RF-IF Amp, TV, Radio, High Speed Switch	TO18	28a	0.2	25	18 (CES)	1	60	0.2	250
126A	PNP-Ge	RF-IF Amp, Mixer, High Speed Switch	TO18	28a	0.05	15	15	3	40	0.3	250
127	PNP-Ge	Amp, Power Output, Horizontal and Vertical Deflection	TO3	1a	10	320	320 (CES)	2	15	56	1
128	NPN-Si	Audio Output, Video, Driver (Compl to NTE129)	TO39	21a	1	120	80	7	90 Min	1	100 Min
128P	NPN-Si	Gen Purpose Amp (Compl to NTE129P)	TO237	413a	1	100	80	5	100 Min	1	150
129	PNP-Si	Audio Output, Video, Driver (Compl to NTE128)	TO39	21a	1	90	80	7	90 Min	1	150 Min
129MCP	NPN/PNP Si	Matched Compl Pair Contains 1 Ea. NTE128 & NTE129	TO39	21a	1	90	80	7	90 Min	1	150 Min
129P	PNP-Si	Gen Purpose Amp (Compl to NTE128P)	TO237	413a	1	100	80	5	100 Min	2	125
130	NPN-Si	Audio Power Amp, Medium Speed Switch (Compl to NTE219)	TO3	1a	15	100	60	7	45	115	3
130MP	NPN-Si	Matched Pair of NTE130									
131	PNP-Ge	Audio Power Amp (Compl to NTE155)	Japanese TO66	30	1	32	32 (CES)	10	110	6	1
131MP	PNP-Ge	Matched Pair of NTE131									
152	NPN-Si	Audio Power Amp, Medium Speed Switch (Compl to NTE153)	TO220	11a	7	60	60	5	60	50	10
152MP	NPN-Si	Matched Pair NTE152									
153	PNP-Si	Audio Power Amp (Compl to NTE152)									
153MCP	NPN/PNP Si	Matched Compl Pair Contains 1 Ea. NTE152 & NTE153									
154	NPN-Si	High Voltage Video Output $C_{cb} = 2.5 \text{ pf @ } 2.0V$	TO39	21a	0.2	300	300	7	100	1	80
155	NPN-Ge	Audio Power Amp (Compl to NTE131)	Japanese TO66	30	3 Peak	32	20	10	110	7.5	1
157	NPN-Si	Audio Power Amp, High Voltage Converter (Compl to NTE39)	TO126	7a	0.5	325	300	6	90	20	10 Min
158	PNP-Ge	Audio Power Amp	TO1	26	1	32	32	10	90	1.4	1.5
159	PNP-Si	Low Noise Audio Amp, Switch $NF = 3\text{dB @ } 1\text{kHz}$ (Compl to NTE123AP)	TO92	9a	1	80	80	5	180	0.625	200
159MCP	PNP/NPN Si	Matched Compl Pair, Contains 1 Ea. NTE159 & NTE123AP									
159M	PNP-Si	Low Noise Audio Amp (Compl to NTE123A)	TO18	28a	0.6	60	60	5	100 Min	0.4	200 Min
160	PNP-Ge	RF-IF Amp, FM Mixer/OSC	TO72	31a	0.01	30	20 (CES)	0.3	50	0.1	550
161	NPN-Si	VHF-UHF Amp, Mixer/OSC	TO72	31a	0.05	45	45 (CES)	3	60	0.2	800
162	NPN-Si	TV Vertical Deflection	TO3	1a	10 Peak	500	300	5	20 Min	100	-
163A	NPN-Si	Color TV Horizontal Deflection	TO3	1a	6	700	700 (CEV)	5	10 Min	100	-

MP = Matched Pairs; **Denotes Surface Mount Types; * $T_C = 25^\circ C$

See Diagrams, beginning on Page 1-42

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