

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 _{CB0}	BV _{CEO}	BV _{EB0}	h _{FE}	P _D	f _T
195A	NPN-Si	RF Pwr Amp/Driver, CB (P _O = 3.5W Min, 27MHz, 12.5V)	TO39	21a	1.5	70	70 (CER)	4	30 Min	8	150
196	NPN-Si	Audio Power Output & Medium Power Switching (Compl to NTE197)	TO220	11a	7	90	80 (CER)	5	20 Min	50* 1.8	4
197	PNP-Si	Audio Power Output & Medium Power Switching (Compl to NTE196)	TO220	11a	7	90	80 (CER)	5	20 Min	50* 1.8	4
198	NPN-Si	High Voltage Audio Output	TO220	11a	1	500	500 (CES)	5	80	40* 2	10 Min
199	NPN-Si	Lo-Noise, Hi-Gain Pre-Amp (Compl to NTE234)	TO92	9c	0.1	70	50	5	400 Min	0.36	90 Min
210	NPN-Si	Gen Purp Output & Driver (Compl to NTE211)	TO202	10a	1	90	75	5	120 Min	6.25* 1.33	200
211	PNP-Si	Gen Purp Output & Driver (Compl to NTE210)	TO202	10a	1	90	75	5	120 Min	6.25* 1.33	150 Min
213	PNP-Ge	High Power, High Gain Amplifier	TO36	27	30	75	60	40	75	170	2.7kHz
214	NPN-Si	Darlington Driver, t _f = 1.8μs	TO3P	59a	10	70	60	6	5,000	60*	20
215	NPN-Si	Darlington Driver, t _f = 1.6μs	TO3P	59a	8	110	100	6	4,000	60*	20
216	NPN-Si	High Speed Switch, Core Driver t _{on} = 35ns	TO237	413a	1	80	50	6	60 Min	1.2	-
218	PNP-Si	Audio Power Output	TO66	6a	4	90	80	7	30 Min	25	4 Min
219	PNP-Si	Gen Purp Amplifier & Switch (Compl to NTE130)	TO3	1a	15	100	70 (CER)	7	20 Min	115	2.5 Min
219MCP	PNP/NPN Si	Matched Compl Pair Contains 1 Ea. NTE219 & NTE130									
224	NPN-Si	Final RF Power Output CB (P _O = 4W, 50MHz)	TO39 w/Flange	37	2	60	60 (CEV)	2.5	60	10	200
225	NPN-Si	High Speed Switch & Linear Amp	TO39 w/Flange	37	1	450	350	7	40 Min	10	15
226	PNP-Ge	Audio Power Output	Japanese TO66	30	2	35	35 (CER)	6	100	12	0.7
226MP	PNP-Ge	Matched Pair of NTE226									
227	NPN-Si	HV Amp Video Output	TO237	413a	0.1	300	300	6	40 Min	2*	50 Min
228A	NPN-Si	HV Amp, Video Output	TO202M	22b	0.5	450	350	6	25 Min	2/10*	45 Min
229	NPN-Si	VHF Osc, Mixer, IF Amp P _G = 28dB @ 45MHz	TO92	9b	0.05	40	40	4	30 Min	0.425	500 Min
232	PNP-Si	Darlington Amp Pre-Amplifier NF = 2.0dB	TO92	9a	0.3	30	30	8	50000 Min	0.625	175
233	NPN-Si	Video IF, Oscillator	TO92	9a	0.1	30	30	3	45	0.625	300 Min
234	PNP-Si	Lo-Noise, Hi-Gain AF Pre-Amp (Compl to NTE199)	TO92	9c	0.1	120	120	5	350 Min	0.3	100
235	NPN-Si	Final RF Pwr Output (P _O = 5W, 50MHz)	TO220	11a	3 Pulse	65	65 (CER)	4	80	12	300
236	NPN-Si	Final RF Power Output, SSB (P _O = 12W, 27MHz)	TO220	11a	6	60	25	5	15	1.5	-
237	NPN-Si	Final RF Power Output, CB (P _O = 3.5W, 27MHz)	TO39HS	39	3 Pulse	80	40	5	50	10	250
238	NPN-Si	Color TV, Horiz Output	TO3	1a	8	1500	1500 (CEX)	5	8	100	-
240	PNP-Si	High Voltage, Low Saturation, Video Output (Compl to NTE191)	TO202N	34	0.5	300	300	5	70	10* 1	60 Min
241	NPN-Si	Audio Power Amp, Sw (Compl to NTE242)	TO220	11a	4	80	80	5	25 Min	60	2.5 Min
242	PNP-Si	Audio Power Amp, Sw (Compl to NTE241)	TO220	11a	4	80	80	5	25 Min	60	2.5 Min

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

See Diagrams, beginning on Page 1-42

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