

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 _{CE0} | BV _{EB0} | h _{FE} | P _D | f _T |
| 395 | PNP-Si | Wide Band Linear Amp | TO72 | 31a | 0.05 | 30 | 25 | 3 | 80 | 0.360* 0.225 | 2.3GHz |
| 396 | NPN-Si | Power Amp & High Speed Sw (Compl to NTE397) | TO39 | 21a | 1 | 450 | 350 | 7 | 40 Min | 10* 1 | 15 Min |
| 397 | PNP-Si | Power Amp & High Speed Sw (Compl to NTE396) | TO39 | 21a | 1 | 350 | 300 | 6 | 30 Min | 10* 1 | 15 Min |
| 398 | PNP-Si | Vertical Deflection, Audio Amp (Compl to NTE375) | TO220 | 11a | 2 | 200 | 150 | 5 | 100 | 25 | 5 |
| 399 | NPN-Si | High Voltage Amp, Video | Giant TO92 | 3b | 0.1 | 300 | 300 | 6 | 100 Min | 0.9 | 50 Min |
| 470 | NPN-Si | RF Power Output (P _O = 100W, 2-30MHz) | W52 | 43 | 20 | 36 | 18 | 4 | 30 | 250 | - |
| 471 | NPN-Si | RF Power Output (P _O = 100W, 2-30MHz) | W52 | 43 | 15 | 65 | 36 | 4 | 50 | 250 | - |
| 472 | NPN-Si | RF Power Driver, (P _O = 1.8W, 130-175MHz) | TO39 | 21a | 0.4 | 36 | 16 | 4 | 20 Min | 5 | - |
| 473 | NPN-Si | RF Power Driver, (P _O = 1.8W, 130-175MHz) | TO39 | 21a | 1 | 36 | 18 | 4 | 10 Min | 7 | - |
| 474 | NPN-Si | RF Pwr, Class C, FM Operation (P _O = 1.8W, 130-175MHz) | TO202EC | 10e | 0.60 | 36 | 18 | 4 | 5 Min | 9.5 | - |
| 475 | NPN-Si | RF Power Output (P _O = 7W, 130-175MHz) | TO60 | 58a | 1.5 | 36 | 18 | 4 | 10 | 11.5 | - |
| 476 | NPN-Si | RF Power Output (P _O = 12W, 130-175MHz) | TO60 | 58a | 3 | 36 | 18 | 4 | 10 | 23 | - |
| 477 | NPN-Si | RF Power Output (P _O = 45W, 130-175MHz) | W65 | 52 | 4 | 36 | 18 | 4 | 20 | 75* | - |
| 478 | NPN-Si | RF Power Output (P _O = 100W, 130-175MHz) | W65 | 52 | 15 | 36 | 18 | 4 | 10 Min | 270 | - |
| 480 | NPN-Si | RF PO for Broadband Range (P _O = 40W, 405-512MHz) | W65 | 52 | 8 | 36 | 16 | 4 | 20 Min | 117 | - |
| 481 | NPN-Si | RF PO for UHF Range (P _O = 6W, 806-866MHz) | - | 63 | 5 | 36 | 16 | 4 | 20 Min | 28 | - |
| 482 | NPN-Si | RF PO for Mobile Range (P _O = 15W, 806-866MHz) | W189 | 170a | 7 | 36 | 16 | 4 | 20 Min | 46 | - |
| 483 | NPN-Si | RF PO for Mobile Range (P _O = 18W, 806-866MHz) | - | 63 | 7 | 36 | 16 | 4 | 20 Min | 46 | - |
| 484 | NPN-Si | RF PO for Mobile Applications (P _O = 25W, 806-947MHz) | - | 63 | 10 | 36 | 16 | 4 | 20 Min | 75 | - |
| 485 | NPN-Si | RF PO for Mobile Range (P _O = 25W, 806-866MHz) | W189 | 170b | 7.5 | 36 | 18 | 4 | 15 Min | 70 | - |
| 486 | NPN-Si | RF High Frequency Amp, (P _O = 75W, 407-512MHz) | TO39 | 21a | 0.15 | 35 | 20 | 4 | 20 Min | 2.5 | - |
| 488 | NPN-Si | RF Power Output for VHF Range (P _O = 4W, 175MHz) | TO39 | 21c | 1 | 35 | 17 | 4 | 10 Min | 10* | - |
| 2300 | NPN-Si | High Voltage Horiz Output t _f = 0.5μs | TO218 | 55a | 8 | 1500 | 700 | 5 | 6 | 125 | - |
| 2301 | NPN-Si | High Voltage Horiz Output t _f = 0.4μs | TO218 | 55a | 5 | 1500 | 750 | 5 | 5 | 100 | 4 |
| 2302 | NPN-Si | High Voltage Horiz Output w/Internal Damper Diode t _f = 0.4μs | TO3P | 59a | 5 | 1500 | 800 | 7 | 8 Min | 120* | 3 |
| 2303 | NPN-Si | High Voltage Horiz Output t _f = 0.4μs | TO220 | 11a | 2.5 | 1500 | 750 | 5 | 4.5 | 65 | 4 |
| 2304 | NPN-Si | High Current, High Speed Sw t _f = 0.1μs (Compl to NTE2314) | TO3P | 59a | 15 | 60 | 50 | 6 | 100 Min | 90 | 20 |
| 2305 | NPN-Si | High Voltage/Power Amp t _f = 1.2μs (Compl to NTE2306) | TO218 | 55a | 16 | 160 | 160 | 7 | 35 | 125 | 1 Min |

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

See Diagrams, beginning on Page 1-42

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