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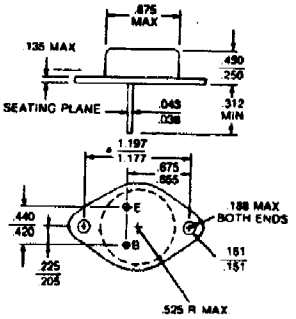
# GERMANIUM POWER TRANSISTORS

| Type Number | Min. Derate $T_J$ to C W/°C | $I_C$ A | ABSOLUTE MAX. RATINGS $I_B$ A | $BV_{CEO}$ V | $BV_{CBO}$ V | $BV_{CEO}$ V | Max. $I_{CBO}$ @ Max. $V_{CB}$ @ 25°C A | Bias $V_{CB}$ V | Bias $I_C$ A | $h_{FE}$ Min. | $h_{FE}$ Max. | $f_\alpha$ (Hz) | Max. Sat. Res. Ω | Max. $P_C$ Free Air @ 25°C W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GERMANIUM PNP DAP TRANSISTORS TO-3 | | | | | | | | | | | | | | |
| MP1612 | 1 | 20 | | 70 | 2 | 50 | | | 10 | 25 | 100 | | .03 | 85 |
| MP1612A | 1 | 20 | | 110 | 2 | 75 | | | 10 | 25 | 100 | | .03 | 85 |
| MP1612B | 1 | 20 | | 13 | 2 | 100 | | | 10 | 25 | 100 | | .03 | 85 |
| MP1613 | 1 | 7 | 2 | 100 | 50 | 75 | 5.0m | 2 | 1 | 40 | 70 | | | 85 |
| 2N2147 | 660m | 5 | 1 | 75 | 1.5 | 50 | 10m | 2 | 1 | 100 | 300 | 3.0m | 250m | 12 |
| 2N2148 | 660m | 5 | 1 | 60 | 1.0 | 40 | 10m | 2 | 1 | 40 | 160 | 2.0m | 250m | 12 |
| 40612 | 167m | 5 | 1 | | 5.0 | | 3.0μ | 2 | 1 | 30 | 150 | | | 12 |
| 40623 | 167m | 5 | 1 | | 5.0 | | 500μ | 2 | 1 | 50 | 170 | | | 12 |
| 40626 | 167m | 5 | 1 | | 5.0 | | 500μ | 2 | 1 | 50 | 170 | | | 12 |
| 2N1905 | 667m | 6 | 1 | 100 | 1.5 | 50 | 10m | 2 | 1 | 50 | 150 | 2.0m | 200m | 12 |
| 2N1906 | 667m | 6 | 1 | 130 | 1.5 | 60 | 10m | 2 | 1 | 75 | 250 | 3.0m | 100m | 30 |
| 2N3730 | 303m | 3 | 500m | 200 | .5 | 200 | 200μ | 4 | 50m | 10 | 200 | 1.0m | 880m | 30 |
| 2N3731 | 167m | 10 | 4 | 320 | 2.0 | 320 | 200μ | 3 | 6 | 15 | | | 250m | 10 |
| 2N3732 | 100m | 3 | 500m | 100 | .5 | 100 | 200μ | 4 | 700m | 35 | 500 | 1.0m | 350m | 3 |
| 40439 | 666m | 10 | 4 | 320 | 2.0 | 320 | 200μ | | | | | | 250m | 5 |
| 40440 | 666m | 10 | 4 | 200 | 2.0 | 200 | 200μ | | | | | | 120m | 5 |
| 40442 | 666m | | | | | | | | | | | | | 5 |
| 2N4346 | 167m | 10 | 4 | | 2.0 | 60 | | | | | | | 130m | 5 |
| 40421 | 660m | 5 | 1 | 75 | 1.5 | 50 | 1.0m | 2 | 1 | 62 | 175 | 4.0m | | 12 |
| 40462 | 666m | 5 | 1 | 40 | 5.0 | 40 | 500μ | 2 | 1 | 50 | 90 | 600k | 200m | 12 |
| 2N2526 | 1 | 10 | | 80 | 2.0 | 80 | 3m | 2 | 3 | 20 | 50 | | | 85 |
| 2N2527 | 1 | 10 | | 120 | 2.0 | 120 | 3m | 2 | 3 | 20 | 50 | | | 85 |
| 2N2528 | 1 | 10 | | 160 | 2.0 | 160 | 3m | 2 | 3 | 20 | 50 | | | 85 |
| 2N2832 | 1 | 20 | 5 | 80 | 2.0 | 50 | 10m | 2 | 10 | 25 | 100 | | | 85 |
| 2N2833 | 1 | 20 | 5 | 120 | 2.0 | 75 | 10m | 2 | 10 | 25 | 100 | | | 85 |
| 2N2834 | 1 | 20 | 5 | 140 | 2.0 | 100 | 10m | 2 | 10 | 25 | 100 | | | 85 |
| 2N5155 | 1.25 | 25 | 5 | 140 | 1.5 | 120 | 10m | 2 | 8 | 25 | 100 | | | 106 |
| 2N5324 | 0.67 | 10 | 3 | 250 | 2.0 | 150 | 7m | 2 | 5 | 20 | 60 | | | 56 |
| 2N5325 | 0.67 | 10 | 3 | 325 | 2.0 | 200 | 7m | 2 | 5 | 20 | 60 | | | 56 |
| 2N5435 | 1.43 | 60 | 12 | 80 | 2.5 | 60 | 10m | 2 | 25 | 20 | 60 | 350k | | 120 |
| 2N5436 | 1.43 | 60 | 12 | 110 | 2.5 | 90 | 10m | 2 | 25 | 20 | 60 | 350k | | 120 |
| 2N5437 | 1.43 | 60 | 12 | 140 | 2.5 | 120 | 10m | 2 | 25 | 20 | 60 | 350k | | 120 |
| 2N5438 | 1.43 | 60 | 12 | 80 | 2.5 | 60 | 10m | 2 | 25 | 40 | 120 | 350k | | 120 |
| 2N5439 | 1.43 | 60 | 12 | 110 | 2.5 | 90 | 10m | 2 | 25 | 40 | 120 | 350k | | 120 |
| 2N5440 | 1.43 | 60 | 12 | 140 | 2.5 | 120 | 10m | 2 | 25 | 40 | 120 | 350k | | 120 |

TO-3

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