



semitron hot line

TOLL FREE NUMBER 800-777-3960

alloy-junction germanium transistors

| Transistor Type | Polarity | Maximum Power (W) | Maximum VCB | Maximum (V) VCE | Typical Gain HFE | Frequency Resp. (MHz) | Case |
|-----------------|----------|-------------------|-------------|-----------------|------------------|-----------------------|------|
| 2N43A | PNP | .240 | 45 | 30R | 40 | 1.30 | TO-5 |
| 2N44A | PNP | .240 | 45 | 30R | 30 | 1.00 | TO-5 |
| 2N107 | PNP | .050 | 12 | 6 | 30 | .30 | TO-5 |
| 2N167A | NPN | .075 | 30 | 30 | 50 | 5.00 | TO-5 |
| 2N169 | NPN | .065 | 15 | 15R | 48 | 8.00 | TO-5 |
| 2N169A | NPN | .065 | 25 | 25R | 84 | 9.00 | TO-5 |
| 2N170 | NPN | .025 | 10 | 9R | 30 | 4.00 | TO-5 |
| 2N187A | PNP | .200 | 25 | 25R | 36 | 1.00 | TO-5 |
| 2N188A | PNP | .200 | 25 | 25R | 50 | 1.20 | TO-5 |
| 2N189 | PNP | .075 | 25 | 25R | 36 | .80 | TO-5 |
| 2N190 | PNP | .075 | 25 | 25R | 50 | 1.00 | TO-5 |
| 2N191 | PNP | .075 | 25 | 25R | 80 | 1.20 | TO-5 |
| 2N192 | PNP | .975 | 25 | 25R | 114 | 1.50 | TO-5 |
| 2N211A | PNP | .200 | 25 | 25R | 80 | 1.30 | TO-5 |
| 2N292 | NPN | .065 | 15 | 15R | 21 | 5.00 | TO-5 |
| 2N293 | NPN | .065 | 15 | 15R | 38 | 4.00 | TO-5 |
| 2N319 | PNP | .225 | 25 | 20R | 34 | 2.00 | TO-5 |
| 2N320 | PNP | .225 | 25 | 20R | 60 | 2.50 | TO-5 |
| 2N321 | PNP | .225 | 25 | 20R | 80 | 3.00 | TO-5 |
| 2N322 | PNP | .200 | 18 | 18R | 50 | 1.00 | TO-5 |
| 2N323 | PNP | .200 | 18 | 18R | 80 | 1.50 | TO-5 |
| 2N324 | PNP | .140 | 18 | 18R | 130 | 1.50 | TO-5 |
| 2N331 | PNP | .200 | 30 | | 60 | .40 | TO-5 |
| 2N381 | PNP | .225 | 50 | 25R | 40 | 3.00 | TO-5 |
| 2N382 | PNP | .225 | 50 | 25R | 90 | 4.00 | TO-5 |
| 2N383 | PNP | .225 | 50 | 25R | 100 | 5.00 | TO-5 |
| 2N388 | NPN | .150 | 25 | 20 | 120 | 5.00 | TO-5 |
| 2N388A | NPN | .200 | 40 | | 120 | 8.00 | TO-5 |
| 2N394A | PNP | .150 | 30 | 10 | 44 | 4.00 | TO-5 |
| 2N395 | PNP | .150 | 30 | 20R | 60 | 3.00 | TO-5 |
| 2N396 | PNP | .150 | 20 | 20R | 70 | 5.00 | TO-5 |
| 2N396A | PNP | .200 | 30 | 20 | 70 | 8.00 | TO-5 |
| 2N397 | PNP | .200 | 30 | 15R | 100 | 10.00 | TO-5 |
| 2N398 | PNP | .050 | 105 | 105S | 40 | .50 | TO-5 |
| 2N398A | PNP | .150 | 105 | 105S | 40 | .50 | TO-5 |
| 2N404 | PNP | .150 | 25 | 24 | 40 | 12.00 | TO-5 |
| 2N404A | PNP | .150 | 40 | 35 | 50 | 12.00 | TO-5 |
| 2N413 | PNP | .150 | 30 | 18 | 40 | 3.00 | TO-5 |
| 2N41A | PNP | .150 | 30 | 15 | 60 | 7.00 | TO-5 |
| 2N426 | PNP | .150 | 30 | 18 | 25 | 6.00 | TO-5 |
| 2N427 | PNP | .150 | 30 | 15 | 25 | 11.00 | TO-5 |
| 2N428 | PNP | .150 | 30 | 12 | 30 | 17.00 | TO-5 |
| 2N460 | PNP | .200 | 45 | 35 | 26 | 1.20 | TO-5 |
| 2N461 | PNP | .200 | 45 | 35R | 100 | 2.00 | TO-5 |
| 2N464 | PNP | .150 | 40 | 40 | 26 | 7.00 | TO-5 |
| 2N465 | PNP | .150 | 40 | 30 | 30 | 8.00 | TO-5 |
| 2N466 | PNP | .150 | 35 | 20 | 70 | 1.00 | TO-5 |
| 2N467 | PNP | .200 | 35 | 15 | 140 | 1.20 | TO-5 |
| 2N508 | PNP | .200 | 18 | 16 | 120 | 4.50 | TO-5 |
| 2N508A | PNP | .200 | 30 | 30 | 120 | 4.50 | TO-5 |
| 2N524 | PNP | .225 | 45 | 30R | 30 | 2.50 | TO-5 |
| 2N525 | PNP | .225 | 45 | 30R | 44 | 3.00 | TO-5 |
| 2N526 | PNP | .225 | 45 | 30R | 64 | 3.50 | TO-5 |
| 2N527 | PNP | .225 | 45 | 30 | 80 | 4.00 | TO-5 |
| 2N650 | PNP | .200 | 45 | 30 | 50 | 1.50 | TO-5 |
| 2N650A | PNP | .200 | 45 | 30 | 50 | .75 | TO-5 |
| 2N651 | PNP | .200 | 45 | 30 | 80 | 2.00 | TO-5 |
| 2N651A | PNP | .200 | 45 | 30 | 76 | 1.00 | TO-5 |
| 2N652 | PNP | .200 | 45 | 30 | 120 | 2.50 | TO-5 |
| 2N652A | PNP | .200 | 45 | 30 | 120 | 1.25 | TO-5 |
| 2N653 | PNP | .200 | 30 | 20 | 44 | 1.50 | TO-5 |
| 2N654 | PNP | .200 | 30 | 25 | 90 | 2.50 | TO-5 |
| 2N655 | PNP | .200 | 30 | 25R | 140 | 2.50 | TO-5 |
| 2N660 | PNP | .200 | 30 | 14 | 100 | 15.00 | TO-5 |
| 2N681 | PNP | .200 | 30 | 9 | 120 | 20.00 | TO-5 |
| 2N662 | PNP | .200 | 30 | 14 | 70 | 8.00 | TO-5 |
| 2N1008 | PNP | .165 | 20 | 15R | 90 | .02 | TO-5 |
| 2N1008A | PNP | .165 | 40 | 35R | 100 | .02 | TO-5 |
| 2N1008B | PNP | .165 | 60 | 55R | 90 | .02 | TO-5 |
| 2N1057 | PNP | .240 | 45 | | 60 | .50 | TO-5 |

| Transistor Type | Polarity | Maximum Power (W) | Maximum VCB | Maximum (V) VCE | Typical Gain HFE | Frequency Resp. (MHz) | Case |
|-----------------|----------|-------------------|-------------|-----------------|------------------|-----------------------|------|
| 2N1086 | NPN | .065 | 9 | 9 | 120 | 5.00 | TO-5 |
| 2N1086A | NPN | .065 | 9 | 9 | 120 | 5.00 | TO-5 |
| 2N1087 | NPN | .065 | 9 | 9 | 120 | 5.00 | TO-5 |
| 2N1087 | PNP | .200 | 18 | 18 | 60 | 1.00 | TO-5 |
| 2N1088 | PNP | .200 | 18 | 17 | 50 | 1.00 | TO-5 |
| 2N1175 | PNP | .200 | 35 | 25R | 90 | 1.50 | TO-5 |
| 2N1175A | PNP | .200 | 35 | 25R | 90 | 1.50 | TO-5 |
| 2N1185 | PNP | .200 | 45 | 30R | 170 | 1.75 | TO-5 |
| 2N1186 | PNP | .200 | 60 | 45R | 44 | .75 | TO-5 |
| 2N1187 | PNP | .200 | 60 | 45R | 75 | 1.00 | TO-5 |
| 2N1188 | PNP | .200 | 60 | 45R | 115 | 1.25 | TO-5 |
| 2N1189 | PNP | .200 | 45 | 30R | 90 | 1.75 | TO-5 |
| 2N1190 | PNP | .200 | 45 | 30R | 136 | 2.25 | TO-5 |
| 2N1191 | PNP | .200 | 40 | 25R | 60 | 1.50 | TO-5 |
| 2N1192 | PNP | .200 | 40 | 25R | 74 | 2.00 | TO-5 |
| 2N1193 | PNP | .200 | 40 | 25R | 145 | 2.50 | TO-5 |
| 2N1194 | PNP | .200 | 40 | 25R | 275 | 3.00 | TO-5 |
| 2N1273 | PNP | .150 | 15 | 15 | 100 | 1.00 | TO-5 |
| 2N1274 | PNP | .150 | 25 | 25 | 100 | 1.75 | TO-5 |
| 2N1302 | NPN | .150 | 25 | 25 | 60 | 3.00 | TO-5 |
| 2N1303 | PNP | .150 | 25 | 25 | 60 | 3.00 | TO-5 |
| 2N1304 | NPN | .150 | 25 | 25 | 70 | 5.00 | TO-5 |
| 2N1305 | PNP | .150 | 25 | 25 | 70 | 5.00 | TO-5 |
| 2N1308 | NPN | .150 | 25 | 25 | 100 | 10.00 | TO-5 |
| 2N1307 | PNP | .150 | 25 | 25 | 100 | 10.00 | TO-5 |
| 2N1308 | NPN | .150 | 25 | 25 | 150 | 15.00 | TO-5 |
| 2N1309 | PNP | .150 | 25 | 25 | 150 | 15.00 | TO-5 |
| 2N1310 | NPN | .120 | 90 | | 42 | 2.40 | TO-5 |
| 2N1311 | NPN | .120 | 75 | | 38 | 2.20 | TO-5 |
| 2N1312 | NPN | .120 | 50 | | 46 | 2.60 | TO-5 |
| 2N1372 | PNP | .250 | 25 | 25 | 60 | .75 | TO-5 |
| 2N1373 | PNP | .250 | 45 | 45 | 60 | .75 | TO-5 |
| 2N1374 | PNP | .250 | 25 | 25 | 90 | 1.00 | TO-5 |
| 2N1375 | PNP | .250 | 45 | 45 | 90 | 1.00 | TO-5 |
| 2N1376 | PNP | .250 | 25 | 25 | 100 | 1.00 | TO-5 |
| 2N1377 | PNP | .250 | 45 | 45 | 100 | 1.00 | TO-5 |
| 2N1378 | PNP | .250 | 12 | 12 | 200 | 1.50 | TO-5 |
| 2N1379 | PNP | .250 | 25 | 25 | 200 | 1.50 | TO-5 |
| 2N1380 | PNP | .250 | 12 | 12 | 100 | 1.50 | TO-5 |
| 2N1381 | PNP | .250 | 25 | 25 | 100 | 1.50 | TO-5 |
| 2N1382 | PNP | .250 | 25 | 25 | 90 | 2.00 | TO-5 |
| 2N1383 | PNP | .200 | 25 | 25 | 72 | 1.50 | TO-5 |
| 2N1404 | PNP | .200 | 25 | 25 | 60 | 4.00 | TO-5 |
| 2N1406 | PNP | .150 | 50 | 50S | 20 | AUD | TO-5 |
| 2N1413 | PNP | .200 | 35 | 25R | 36 | .80 | TO-5 |
| 2N1414 | PNP | .200 | 35 | 25 | 52 | 1.00 | TO-5 |
| 2N1415 | PNP | .200 | 35 | 25 | 72 | 1.30 | TO-5 |
| 2N1605 | NPN | .150 | 25 | 24 | 70 | 4.00 | TO-5 |
| 2N1614 | PNP | .240 | 65 | 40R | 30 | 1.50 | TO-5 |
| 2N1705 | PNP | .200 | 18 | 12R | 110 | 4.00 | TO-5 |
| 2N1706 | PNP | .200 | 25 | 18R | 90 | 3.00 | TO-5 |
| 2N1707 | PNP | .200 | 30 | 25R | 90 | 3.00 | TO-5 |
| 2N1808 | NPN | .150 | 25 | 25 | 120 | 4.00 | TO-5 |
| 2N1924 | PNP | .225 | 60 | 40R | 50 | 1.00 | TO-5 |
| 2N1925 | PNP | .225 | 60 | 40R | 70 | 1.30 | TO-5 |
| 2N1926 | PNP | .225 | 60 | 40R | 96 | 1.50 | TO-5 |
| 2N1997 | PNP | .250 | 45 | 40 | 120 | 3.00 | TO-5 |
| 2N1999 | PNP | .250 | 35 | 35 | 150 | 5.00 | TO-5 |
| 2N1999 | PNP | .250 | 30 | 20 | 220 | 8.00 | TO-5 |
| 2N2000 | NPN | .300 | 50 | 20 | 160 | 2.00 | TO-5 |
| 2N2001 | NPN | .300 | 30 | 20 | 200 | 6.00 | TO-5 |
| 2N2042 | PNP | .200 | 105 | 105S | 40 | .50 | TO-5 |
| 2N2043 | PNP | .200 | 105 | 105S | 90 | .75 | TO-5 |
| 2N2171 | PNP | .225 | 50 | 25R | 180 | 7.50 | TO-5 |
| 2N3427 | PNP | .200 | 45 | 30R | 210 | 4.00 | TO-5 |
| 2N3428 | PNP | .200 | 45 | 30R | 260 | 5.00 | TO-5 |

case outline drawings



