

germanium power transistors



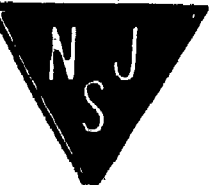
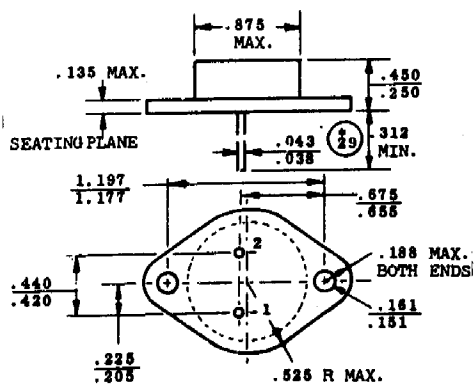
PNP TO-3 (cont'd)

$I_{C(MAX)} = 3 \text{ to } 25A$

$V_{CEO(SUS)} = 20 \text{ to } 100V$

| Type # | NPN Complement | $V_{CEO(SUS)}$ (Volts) | V_{CEO} (Volts) | I_{IC}/V_{CE} (Min-Max @ A/V) | $V_{CE(SAT)}$ @ I_C/I_B (V @ A/A) | V_{BE} @ I_C/V_{CE} (V @ A/V) | I_{CV} @ V_{CE} (mA @ V) | P_D @ $T_C = 25^\circ C$ (Watts) | θ_{JC} ($^\circ C/W$) | $T_J(MAX)$ ($^\circ C$) | f_T (KHz) | Generic Product | General Information | | |
|---------------------|----------------|------------------------|-------------------|---------------------------------|-------------------------------------|-----------------------------------|------------------------------|------------------------------------|--------------------------------|---------------------------|-------------|---|--|---|--|
| 2N456A | | 20 | 20 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @40 | 50 | 1.5 | 100 | 200 | 2N456A Family, 7 Amp PNP Germanium Alloy Power Transistors. Case 280 | General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage. | | |
| 2N456B | | 30 | 30 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @40 | 150 | 0.5 | 100 | 200 | | | | |
| 2N457A | | 30 | 20 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @60 | 50 | 1.5 | 100 | 200 | | | | |
| 2N457B | | 40 | 30 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @80 | 150 | 0.5 | 100 | 200 | | | | |
| 2N458A | | 40 | 20 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @80 | 50 | 1.5 | 100 | 200 | | | | |
| 2N458B | | 45 | 30 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @80 | 150 | 0.5 | 100 | 200 | | | | |
| 2N1021A | | 50 | 30 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @100 | 150 | 0.5 | 100 | 200 | | | | |
| 2N1022A | | 55 | 30 | 30-90@5/1.5 | .5@5/5 | 1.5@5/1.5 | 2 ² @120 | 150 | 0.5 | 100 | 200 | | | | |
| 2N627 | | 30(V_{CES}) | 20 | 10-30@10/2 | 1@10/1 | | 20 ² @40 | 94 | 0.8 | 100 | | 2N627 Family, 10 Amp PNP Germanium Alloy Power Transistors. Case 280 | General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage. | | |
| 2N628 | | 45(V_{CES}) | 30 | 10-30@10/2 | 1@10/1 | | 20 ² @60 | 94 | 0.8 | 100 | | | | | |
| 2N629 | | 60(V_{CES}) | 40 | 10-30@10/2 | 1@10/1 | | 20 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1549 ^A | | 20 | 20 | 10-30@10/2 | 1@10/1 | 1.3 ² @10/1 | 20 ² @40 | 94 | 0.8 | 100 | | 2N1549 Family, 15 Amp PNP Germanium Alloy Power Transistors. Case 280 | High Current General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage. | | |
| 2N1550 ^A | | 30 | 30 | 10-30@10/2 | 1@10/1 | 1.3 ² @10/1 | 20 ² @60 | 94 | 0.8 | 100 | | | | | |
| 2N1551 ^A | | 40 | 40 | 10-30@10/2 | 1@10/1 | 1.3 ² @10/1 | 20 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1552 ^A | | 50 | 50 | 10-30@10/2 | 1@10/1 | 1.3 ² @10/1 | 20 ² @100 | 94 | 0.8 | 100 | | | | | |
| 2N1553 ^A | | 20 | 20 | 30-60@10/2 | .7@10/1 | 1 ² @10/1 | 20 ² @40 | 94 | 0.8 | 100 | | | | | |
| 2N1554 ^A | | 30 | 30 | 30-60@10/2 | .7@10/1 | 1 ² @10/1 | 20 ² @60 | 94 | 0.8 | 100 | | | | | |
| 2N1555 ^A | | 40 | 40 | 30-60@10/2 | .7@10/1 | 1 ² @10/1 | 20 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1556 ^A | | 50 | 50 | 30-60@10/2 | .7@10/1 | 1 ² @10/1 | 20 ² @100 | 94 | 0.8 | 100 | | | | | |
| 2N1557 ^A | | 20 | 20 | 50-100@10/2 | .5@10/1 | .7 ² @10/1 | 20 ² @40 | 94 | 0.8 | 100 | | | | | |
| 2N1558 ^A | | 30 | 30 | 50-100@10/2 | .5@10/1 | .7 ² @10/1 | 20 ² @60 | 94 | 0.8 | 100 | | | | | |
| 2N1559 ^A | | 40 | 40 | 50-100@10/2 | .5@10/1 | .7 ² @10/1 | 20 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1560 ^A | | 50 | 50 | 50-100@10/2 | .5@10/1 | .7 ² @10/1 | 20 ² @100 | 94 | 0.8 | 100 | | | | | |
| 2N1162 | | 25 | 20 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @50 | 94 | 0.8 | 100 | | | | 2N1162 Family, 25 Amp PNP Germanium Alloy Power Transistors. Case 280 | High Current General Purpose Power Switch and Amplifier, Consumer, Industrial, and Military Usage. |
| 2N1162A | | 25 | 25 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @50 | 94 | 0.8 | 100 | | | | | |
| 2N1164 | | 35 | 25 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1164A | | 40 | 40 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @80 | 94 | 0.8 | 100 | | | | | |
| 2N1166 | | 45 | 30 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @100 | 94 | 0.8 | 100 | | | | | |
| 2N2266A | | 50 | 50 | 15-65@25/1 | 1@25/1.6 | 1.7 ² @25/1.6 | 15 ² @100 | 94 | 0.8 | 100 | | | | | |

NOTES:
¹ I_{CO} @ V_{CE} (mA @ V)
² $V_{BE(SAT)}$ @ I_C/I_B (V @ A/A)
³ The "A-Version" (e.g. 2N1529A) is also readily available. It's a high-reliability version of the "non-A Version."



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