

DIODE TRANSISTOR CO., INC.

(201) 686-0400 • Telex: 139-385 • Outside NY & NJ area call TOLL FREE 800-526-4581
 FAX No. 201-575-5883

GERMANIUM POWER TRANSISTORS

| Type Number | Case Type | $V_{CE0(max)}$ V | V_{EBO} V | h_{FE} @ I_C/V_{CE} (Min-Max @A/V) | $V_{CE(sat)}$ @ I_C/I_B (V@A/A) | V_{BC} @ I_C/V_{CE} (V@A/V) | I_{CEV} @ 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) |
|------------------------------------|-----------|---------------------|---------------------|---|---|---|---------------------------------------|---|---|-----------------------------------|--------------------------------|
| 3 AMP GERMANIUM PNP (Cont.) | | | | | | | | | | | |
| 2N2668 | MT-27 | 30 | 20 | 50-150@.5/.5 | .25@.5/.025 | .6@.5/.5 | .6@50 | 15 | 5.0 | 100 | 300 |
| 2N2669 | MT-27 | 40 | 20 | 50-150@.5/.5 | .25@.5/.025 | .6@.5/.5 | .6@70 | 15 | 5.0 | 100 | 300 |
| 2N2670 | MT-27 | 50 | 20 | 50-150@.5/.5 | .25@.5/.025 | .6@.5/.5 | .6@90 | 15 | 5.0 | 100 | 300 |
| 2N1042 | MT-28 | 30 | 20 | 20-60@3/1 | .75@3/.3 | 1.5@3/1 | .65@40 | 20 | 3.75 | 100 | 250 |
| 2N1043 | MT-28 | 40 | 20 | 20-60@3/1 | .75@3/.3 | 1.5@3/1 | .65@60 | 20 | 3.75 | 100 | 250 |
| 2N1044 | MT-28 | 50 | 20 | 20-60@3/1 | .75@3/.3 | 1.5@3/1 | .65@80 | 20 | 3.75 | 100 | 250 |
| 2N1045 | MT-28 | 60 | 20 | 20-60@3/1 | .75@3/.3 | 1.5@3/1 | .65@100 | 20 | 3.75 | 100 | 250 |
| 2N2556 | MT-28 | 30 | 20 | 20-60@1/1.5 | .25@1/1.1 | 1@1/1.5 | .65@40 | 20 | 3.75 | 100 | 225 |
| 2N2557 | MT-28 | 40 | 20 | 20-60@1/1.5 | .25@1/1.1 | 1@1/1.5 | .65@60 | 20 | 3.75 | 100 | 225 |
| 2N2558 | MT-28 | 50 | 20 | 20-60@1/1.5 | .25@1/1.1 | 1@1/1.5 | .65@80 | 20 | 3.75 | 100 | 225 |
| 2N2559 | MT-28 | 60 | 20 | 20-60@1/1.5 | .25@1/1.1 | 1@1/1.5 | .65@100 | 20 | 3.75 | 100 | 225 |
| 2N2282 | TO-37 | 30 | 1.5 | 30-75@.5/1 | .4@1/1.05 | .7@1/1.05 | .1@20 | 5.0 | 15 | 110 | 2500 |
| 2N2283 | TO-37 | 60 | 1.5 | 30-75@.5/1 | .4@1/1.05 | .7@1/1.05 | .1@40 | 5.0 | 15 | 110 | 2500 |
| 2N2284 | TO-37 | 100 | 1.5 | 30-75@.5/1 | .4@1/1.05 | .7@1/1.05 | .1@60 | 5.0 | 15 | 110 | 2500 |
| 2N3212 | TO-37 | 80 | 2.0 | 30-90@3/2 | .5@5/5 | 1.4@5/5 | 1@100 | 12.1 | 7.0 | 110 | 300 |
| 2N3213 | TO-37 | 60 | 2.0 | 30-90@3/2 | .5@5/5 | 1.4@5/5 | 1@80 | 12.1 | 7.0 | 110 | 300 |
| 2N3214 | TO-37 | 40 | 2.0 | 30-90@3/2 | .5@5/5 | 1.4@5/5 | 1@60 | 12.1 | 7.0 | 110 | 300 |
| 2N3215 | TO-37 | 30 | 2.0 | 25-100@3/2 | .5@5/5 | 1.4@5/5 | 1@40 | 12.1 | 7.0 | 110 | 300 |
| 2N1183 | TO-8 | 20 | 20 | 20-60@.4/2 | .3@.4/.04 | 1.5@.4/2 | .25@45 | 7.5 | 10 | 100 | 350 |
| 2N1183A | TO-8 | 30 | 20 | 20-60@.4/2 | .3@.4/.04 | 1.5@.4/2 | .25@60 | 7.5 | 10 | 100 | 300 |
| 2N1183B | TO-8 | 40 | 20 | 20-60@.4/2 | .3@.4/.04 | 1.5@.4/2 | .25@80 | 7.5 | 10 | 100 | 500 |
| 2N1184 | TO-8 | 20 | 20 | 40-120@.4/2 | .5@.4/.04 | 1.5@.4/2 | .25@45 | 7.5 | 10 | 100 | 350 |
| 2N1184A | TO-8 | 30 | 20 | 40-120@.4/2 | .5@.4/.04 | 1.5@.4/2 | .25@60 | 7.5 | 10 | 100 | 500 |
| 2N1184B | TO-8 | 40 | 20 | 40-120@.4/2 | .5@.4/.04 | 1.5@.4/2 | .25@80 | 7.5 | 10 | 100 | 500 |
| 2N1755 | MS7 | 25 | 30 | 30-75@.5/2 | .7@3/3 | 1@3/3 | 3@40 | 28 | 2.5 | 95 | |
| 2N1756 | MS7 | 40 | 30 | 30-75@.5/2 | .7@3/3 | 1@3/3 | 3@60 | 28 | 2.5 | 95 | |
| 2N1757 | MS7 | 55 | 30 | 30-75@.5/2 | .7@3/3 | 1@3/3 | 3@80 | 28 | 2.5 | 95 | |
| 2N1758 | MS7 | 65 | 30 | 30-75@.5/2 | .7@3/3 | 1@3/3 | 3@100 | 28 | 2.5 | 95 | |
| 2N1759 | MS7 | 25 | 30 | 60-150@.5/2 | .5@3/3 | .8@3/3 | 3@40 | 28 | 2.5 | 95 | |
| 2N1760 | MS7 | 40 | 30 | 60-150@.5/2 | .5@3/3 | .8@3/3 | 3@60 | 28 | 2.5 | 95 | |
| 2N1761 | MS7 | 55 | 30 | 60-150@.5/2 | .5@3/3 | .8@3/3 | 3@80 | 28 | 2.5 | 95 | |
| 2N1762 | MS7 | 25 | 30 | 60-150@.5/2 | .5@3/3 | .8@3/3 | 3@40 | 28 | 2.5 | 95 | |
| 2N2067 | MS7 | 25 | 20 | 20-100@.5/14 | .7@1/1 | .7@.5/14 | 3@40 | 28 | 2.5 | 95 | |
| 2N2068 | MS7 | 55 | 20 | 20-100@.5/14 | .7@1/1 | .7@.5/14 | 3@80 | 28 | 2.5 | 95 | |
| 3 AMP GERMANIUM PNP | | | | | | | | | | | |
| Type Number | Case Type | NPN Complement | $V_{CE0(max)}$ V | V_{EBO} V | h_{FE} @ I_C/V_{CE} (Min-Max @A/V) | $V_{CE(sat)}$ @ I_C/I_B (V@A/A) | V_{BC} @ I_C/V_{CE} (V@A/V) | I_{CEV} @ V_{CE} (mA@V) | $P_D@$ $T_C = 25^\circ C$ (watts) | θ_{JC} ($^\circ C/W$) | $T_{J(max)}$ ($^\circ C$) |
| 2N156 | TO-13 | | 30(V_{CES}) | 15 | >25@.5/2 | .75@1/1.15 | .7@.5/2 | 1@30 | 25 | 3.0 | 100 |
| 2N158 | TO-13 | | 60(V_{CES}) | 30 | >21@.5/2 | .75@1/1 | .85@.5/2 | 1@60 | 25 | 3.0 | 100 |
| 2N158A | TO-13 | | 60 | 30 | >21@.5/2 | .75@1/1.15 | .85@.5/2 | 1@80 | 25 | 3.0 | 100 |
| 2N1078 | TO-13 | 2N1332 | 60(V_{CES}) | 15 | >40@.5/2 | 1@1/1 | 1.1@.5/2 | 1.5@60 | 20 | 3.0 | 85 |
| 2N1328 | TO-13 | 2N1329 | 30(V_{CES}) | 15 | >40@.5/2 | 1@1/1 | .9@.5/2 | 1.5@35 | 20 | 3.0 | 85 |
| 2N1331 | TO-13 | 2N1334 | 80(V_{CES}) | 15 | >40@.5/2 | 1@1/1 | 1.2@.5/2 | 1.5@80 | 20 | 3.0 | 85 |
| 2N1333 | TO-13 | | 100(V_{CES}) | 15 | >40@.5/2 | 1@1/1 | 1.2@.5/2 | 1.5@100 | 20 | 3.0 | 85 |

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