

General Transistor Corporation
 216 WEST FLORENCE AVENUE
 INGLEWOOD, CALIFORNIA 90301
 (213) 673-8422 • Telex 65-3474 • FAX (213) 672-2905

CASE TO-3, TO-39
 $I_C(\text{MAX}) = 3-50A$
 $V_{CEO(\text{SUS})} = 40-100V$

T-33-01

PNP Power Transistors

| Type No. | NPN complement | V _{CEO} (V) | I _C (max) (A) | h _{FE} @I _C /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) | V _{BE(SAT)} @ I _C /I _B (V @ A/A) | I _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 25°C (Watts) | I _{sb} @V _{CE} t = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------|----------------------|--------------------------|--|---|---|---|---|------------------------------------|--|----------------------|---|--|
| 2N3789 | 2N3713 | 60 | 10 | 25-90 @ 1/2 | 1 @ 4/4 | | 2 @ 4/4 | 1 @ 60 | 150 | 5 @ 30 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N3790 | 2N3714 | 80 | 10 | 25-90 @ 1/2 | 1 @ 4/4 | | 2 @ 4/4 | 1 @ 80 | 150 | 5 @ 30 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N3791 | 2N3715 | 60 | 10 | 50-150 @ 1/2 | 1 @ 5/5 | | 1.5 @ 5/5 | 1 @ 60 | 150 | 5 @ 30 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N3792 | 2N3716 | 80 | 10 | 50-150 @ 1/2 | 1 @ 5/5 | | 1.5 @ 5/5 | 1 @ 80 | 150 | 5 @ 30 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N4398 | 2N5301 | 40 | 30 | 15-60 @ 15/2 | 2 @ 20/2 | 1.7 @ 15/2 | | 5 @ 40 | 200 | 6.7 @ 30 | 4 | .4 @ 10/1 | 2.1 @ 10/1 |
| 2N4399 | 2N5302 | 60 | 30 | 15-60 @ 15/2 | 2 @ 20/2 | 1.7 @ 15/2 | | 5 @ 60 | 200 | 6.7 @ 30 | 4 | .4 @ 10/1 | 2.1 @ 10/1 |
| 2N4901 | 2N5067 | 40 | 5 | 20-80 @ 1/2 | 1.5 @ 5/1 | 1.2 @ 1/2 | | .1 @ 40 | 87.5 | 5 @ 17.5 | 4 | .7 @ 1.5/15 | 1.8 @ 1.5/15 |
| 2N4902 | 2N5068 | 60 | 5 | 20-80 @ 1/2 | 1.5 @ 5/1 | 1.2 @ 1/2 | | .1 @ 60 | 87.5 | 5 @ 17.5 | 4 | .7 @ 1.5/15 | 1.8 @ 1.5/15 |
| 2N4903 | 2N5069 | 80 | 5 | 20-80 @ 1/2 | 1.5 @ 5/1 | 1.2 @ 1/2 | | .1 @ 80 | 87.5 | 5 @ 17.5 | 4 | .7 @ 1.5/15 | 1.8 @ 1.5/15 |
| 2N4904 | 2N4913 | 40 | 5 | 25-100 @ 2.5/2 | 1.5 @ 5/1 | 1.4 @ 2.5/2 | | .1 @ 40 | 87.5 | 5 @ 17.5 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N4905 | 2N4914 | 60 | 5 | 25-100 @ 2.5/2 | 1.5 @ 5/1 | 1.4 @ 2.5/2 | | .1 @ 60 | 87.5 | 5 @ 17.5 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N4906 | 2N4915 | 80 | 5 | 25-100 @ 2.5/2 | 1.5 @ 5/1 | 1.4 @ 2.5/2 | | .1 @ 80 | 87.5 | 5 @ 17.5 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N5683 | 2N5685 | 60 | 50 | 15-60 @ 25/2 | 1 @ 25/2.5 | 2 @ 25/2 | | 2 @ 60 | 300 | 10 @ 30 | 2 | .7 @ 25/2.5 | 1.8 @ 25/2.5 |
| 2N5684 | 2N5686 | 80 | 50 | 15-60 @ 25/2 | 1 @ 25/2.5 | 2 @ 25/2 | | 2 @ 80 | 300 | 10 @ 30 | 2 | .7 @ 25/2.5 | 1.8 @ 25/2.5 |
| 2N5745 | 2N5303 | 80 | 20 | 15-60 @ 10/2 | 2 @ 20/4 | 1.5 @ 10/2 | | 5 @ 80 | 200 | 6.7 @ 30 | 2 | 1 @ 10/1 | 3 @ 10/1 |
| 2N5867 | 2N5869 | 60 | 5 | 20-100 @ 1.5/4 | 1 @ 2/2 | | 1.6 @ 2/2 | .1 @ 60 | 87.5 | 3.5 @ 25 | 4 | .7 @ 1.5/15 | 1.8 @ 1.5/15 |
| 2N5868 | 2N5870 | 80 | 5 | 20-100 @ 2.5/4 | 1 @ 2/2 | | 1.6 @ 2/2 | .1 @ 80 | 87.5 | 3.5 @ 25 | 4 | .7 @ 1.5/15 | 1.8 @ 1.5/15 |
| 2N5871 | 2N5873 | 60 | 7 | 20-100 @ 2.5/4 | 1 @ 4/4 | | 1.6 @ 4/4 | 25 @ 60 | 100 | 3.3 @ 30 | 4 | .7 @ 2.5/25 | 1.8 @ 2.5/25 |
| 2N5872 | 2N5874 | 80 | 7 | 20-100 @ 2.5/4 | 1 @ 4/4 | | 1.6 @ 4/4 | 25 @ 80 | 100 | 3 @ 33 | 4 | .7 @ 2.5/25 | 1.8 @ 2.5/25 |
| 2N5875 | 2N5877 | 60 | 10 | 20-100 @ 4/4 | 1 @ 5/5 | | 1.6 @ 5/5 | 5 @ 60 | 150 | 5 @ 30 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N5876 | 2N5878 | 80 | 10 | 20-100 @ 4/4 | 1 @ 5/5 | | 1.6 @ 5/5 | 5 @ 80 | 150 | 4.5 @ 33 | 4 | .7 @ 4/4 | 1.8 @ 4/4 |
| 2N5879 | 2N5881 | 60 | 15 | 20-100 @ 6/4 | 1 @ 7/7 | | 1.6 @ 7/7 | 5 @ 60 | 160 | 5.33 @ 30 | 4 | .7 @ 6/6 | 1.8 @ 6/6 |
| 2N5880 | 2N5882 | 80 | 15 | 20-100 @ 6/4 | 1 @ 7/7 | | 1.6 @ 7/7 | 5 @ 80 | 160 | 4 @ 40 | 4 | .7 @ 6/6 | 1.8 @ 6/6 |
| 2N5883 | 2N5885 | 60 | 25 | 20-100 @ 10/4 | 1 @ 15/1.5 | | 1.8 @ 15/1.5 | 1 @ 60 | 200 | 6 @ 33 | 4 | .7 @ 10/1 | 1.8 @ 10/1 |
| 2N5884 | 2N5888 | 80 | 25 | 20-100 @ 10/4 | 1 @ 15/1.5 | | 1.8 @ 15/1.5 | 1 @ 80 | 200 | 5 @ 40 | 4 | .7 @ 10/1 | 1.8 @ 10/1 |
| 2N6246 | | 60 | 15 | 20-100 @ 7/4 | 1.3 @ 7/7 | 2 @ 7/4 | | .2 @ 65 | 125 | 7.1 @ 17.5 | 6 | .7 @ 6/6 | 1.8 @ 6/6 |
| 2N6247 | | 80 | 15 | 20-100 @ 6/4 | 1.3 @ 6/6 | 1.8 @ 6/4 | | .2 @ 85 | 125 | 7.1 @ 17.5 | 6 | .7 @ 6/6 | 1.8 @ 6/6 |
| 2N6329 | 2N6326 | 60 | 30 | 6-30 @ 30/4 | 1.5 @ 15/2 | 2 @ 15/4 | | .5 @ 60 | 200 | 10 @ 20 | 3 | .4 @ 10/1 | 1.8 @ 10/1 |
| 2N6330 | 2N6327 | 80 | 30 | 6-30 @ 30/4 | 1.5 @ 15/2 | 2 @ 15/4 | | .5 @ 80 | 200 | 10 @ 20 | 3 | .4 @ 10/1 | 1.8 @ 10/1 |
| 2N6331 | 2N6328 | 100 | 30 | 6-30 @ 30/4 | 1.5 @ 15/2 | 2 @ 15/4 | | .5 @ 100 | 200 | 10 @ 20 | 3 | .4 @ 10/1 | 1.8 @ 10/1 |
| 2N6436 | | 80 | 25 | 20-80 @ 10 | | | | | 200 | | 40 | | |
| 2N6437 | | 100 | 25 | 20-80 @ 10 | | | | | 200 | | 40 | | |
| 2N6438 | | 120 | 25 | 20-80 @ 10 | | | | | 200 | | 40 | | |
| 2N6377 | | 80 | 50 | 30-120 @ 20 | | | | | 250 | | 30 | | |
| 2N6378 | | 100 | 50 | 30-120 @ 20 | | | | | 250 | | 30 | | |
| 2N6379 | | 120 | 50 | 30-120 @ 20 | | | | | 250 | | 30 | | |
| MJ6502 | | 250 | 8 | 15 @ 2 | | | | | 125 | | | | |
| MJ6503 | | 400 | 8 | 15 @ 2 | | | | | 125 | | | | |

NOTES: b) I_{CBO} @ V_{CB} (mA @ V) g) I_{CES} @ V_{CE} (mA @ V) h) V_{CER} (V) i) (typical)

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NPN Power Transistors

CASE TO-5/TO-39
I_{C(MAX)} = 0.05-10A
V_{CEO(SUS)} = 40-800V

| Type No. | PNP complement | V _{CEO} (max) (V) | I _C (max) (A) | hFE@I _C /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) | V _{BE(SAT)} @ I _C /I _B (V @ A/A) | I _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 25°C (Watts) | I _{sb} @ V _{CE} t = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------|----------------------------|--------------------------|---|---|---|---|---|------------------------------------|---|----------------------|---|--|
| 2N1479 | | 40 | 1.5 | 20-60 @ .2/4 | 1.4 @ 2/0.2 | 3 @ 2/4 | | .25 @ 60 | 5 | 150 | 1.5 | 5' @ 1/1 | 15' @ 1/1 |
| 2N1480 | | 55 | 1.5 | 20-60 @ .2/4 | 1.4 @ 2/0.2 | 3 @ 2/4 | | .25 @ 100 | 5 | 150 | 1.5 | 5' @ 1/1 | 15' @ 1/1 |
| 2N1481 | | 40 | 1.5 | 35-100 @ .2/4 | 1.4 @ 2/0.1 | 3 @ 2/4 | | .25 @ 60 | 5 | 150 | 1.5 | 5' @ 1/1 | 15' @ 1/1 |
| 2N1482 | | 55 | 1.5 | 35-100 @ .2/4 | 1.4 @ 2/0.1 | 3 @ 2/4 | | .25 @ 100 | 5 | 150 | 1.5 | 5' @ 1/1 | 15' @ 1/1 |
| 2N1700 | | 40 | 1.0 | 20-80 @ .1/4 | 1 @ 1/0.1 | 2 @ .1/4 | | .5' @ 60 | 5 | 150' | 1.2 | 5' @ 1/1 | 15' @ 1/1 |
| 2N3418 | | 60 | 3.0 | 20-60 @ 1/2 | .25 @ 1/1 | 1.2 @ 1/2 | | .0005 @ 80 | 7 | 150 | 10 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N3419 | | 80 | 3.0 | 20-60 @ 1/2 | .25 @ 1/1 | 1.2 @ 1/2 | | .0005 @ 120 | 7 | 150 | 40 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N3420 | | 60 | 3.0 | 40-120 @ 1/2 | .25 @ 1/1 | 1.2 @ 1/2 | | .0005 @ 80 | 7 | 150 | 40 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N3431 | | 80 | 3.0 | 40-120 @ 1/2 | .25 @ 1/1 | 1.2 @ 1/2 | | .0005 @ 120 | 7 | 150 | 40 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N3439 | 2N5416 | 350 | 1.0 | 40-60 @ .02/10 | .5 @ .05/0.04 | | 1.3 @ .05/0.04 | .5 @ 450 | 10 | 10 | 15 | | |
| 2N3440 | 2N5415 | 250 | 1.0 | 40-60 @ .02/10 | .5 @ .05/0.04 | | 1.3 @ .05/0.04 | .5 @ 300 | 10 | 10 | 15 | | |
| 2N3742 | 2N3743 | 300 | .05 | 20-200 @ .03/10 | 1 @ .01/0.01 | | 1.2 @ .03/0.03 | .0002 @ 200 | 5 | 6 | 15' | | |
| 2N4150 | | 70 | 5.0 | 40-120 @ 5/5 | .6 @ 5/5 | | 1.5 @ 5/5 | .01 @ 100 | 8.75 | 150' | 15 | .2 @ 5/5 | 2.2 @ 5/5 |
| 2N4237 | 2N4234 | 40 | 3.0 | 30 @ .25/1 | .6 @ 1/1 | | | | 6 | | | | |
| 2N4238 | 2N4235 | 60 | 3.0 | 30 @ .25/1 | .6 @ 1/1 | | | | 6 | | | | |
| 2N4239 | 2N4236 | 80 | 3.0 | 30 @ .25/1 | .6 @ 1/1 | | | | 6 | | | | |
| 2N4271 | | 140 | 1.0 | 20-140 @ .2/10 | .8 @ 2/0.2 | 1 @ .2/10 | | .02' @ 175 | 10 | 25 | 20 | | |
| 2N4272 | | 140 | 2.5 | 20-140 @ 1/10 | .6 @ 5/0.5 | 1.1 @ 1/10 | | .1' @ 175 | 10 | 75 | 10 | | |
| 2N4863 | | 120 | 2.0 | 50-150 @ .5/5 | .2 @ 5/0.5 | | 1.2 @ .5/5 | .01 @ 140 | 7 | 25' | 50 | | |
| 2N4877 | | 60 | 4.0 | 20-100 @ 4/2 | 1 @ 4/4 | | 1.8 @ 4/4 | .1 @ 170 | 10 | 150' | 30 | .1 @ 4/4 | 2 @ 4/4 |
| 2N4895 | | 60 | 5.0 | 40 @ 2/2 | 1.0 @ 5/5 | | | | 7 | | | | |
| 2N4896 | | 60 | 5.0 | 100 @ 2/2 | 1.0 @ 5/5 | | | | 7 | | | | |
| 2N4897 | | 80 | 5.0 | 40 @ 2/2 | 1.0 @ 5/5 | | | | 7 | | | | |
| 2N4926 | 2N4930 | 200 | .05 | 20-200 @ .03/10 | 1 @ .01/0.01 | | 1.5 @ .05/0.03 | .1' @ 200 | 5 | 6 | 15' | | |
| 2N4927 | 2N4931 | 250 | .05 | 20-200 @ .03/10 | 1 @ .01/0.01 | | 1.5 @ .05/0.03 | .1' @ 250 | 5 | 6 | 15' | | |
| 2N5010 | | 500' | .5 | 30-180 @ .025/10 | 1.4 @ .025/0.05 | | 1 @ .025/0.05 | .006' @ 400 | 4 | 25 | 15' | | |
| 2N5011 | | 600' | .5 | 30-180 @ .025/10 | 1.5 @ .025/0.05 | | 1 @ .025/0.05 | .006' @ 500 | 4 | 25 | 15' | | |
| 2N5012 | | 700' | .5 | 30-180 @ .025/10 | 1.6 @ .025/0.05 | | 1 @ .025/0.05 | .006' @ 580 | 4 | 25 | 15' | | |
| 2N5013 | | 800' | .5 | 30-180 @ .02/10 | 1.6 @ .02/0.05 | | 1 @ .02/0.05 | .012' @ 650 | 4 | 25 | 15' | | |
| 2N5058 | | 300 | .15 | 35-150 @ .03/25 | 1 @ .03/0.03 | | .85 @ .03/0.03 | .1' @ 300 | 5 | 10 | 15' | | |
| 2N5059 | | 250 | .15 | 35-150 @ .03/25 | 1 @ .03/0.03 | | .85 @ .03/0.03 | .1' @ 250 | 5 | 10 | 15' | | |
| 2N5092 | 2N5093 | 350 | 1.0 | 15-250 @ .1/10 | .5 @ .025/0.025 | 1 @ .025/5 | | .1' @ 400 | 4 | 15 | 15' | | |
| 2N5095 | 2N5904 | 400 | 1.0 | 15-250 @ .1/10 | .5 @ .025/0.025 | 1 @ .025/5 | | .1' @ 500 | 4 | 15 | 15' | | |
| 2N5097 | 2N5906 | 450 | 1.0 | 15-250 @ .1/10 | .5 @ .025/0.025 | 1 @ .025/5 | | .1' @ 600 | 4 | 15 | 15' | | |
| 2N5098 | | 500 | 1.0 | 15-250 @ .1/10 | .5 @ .025/0.025 | 1 @ .025/5 | | .1 @ 700 | 4 | 15 | 15' | | |
| 2N5099 | | 550 | 1.0 | 15-250 @ .1/10 | .5 @ .025/0.025 | 1 @ .025/5 | | .1 @ 800 | 4 | 15 | 15' | | |
| 2N5148 | 2N5147 | 80 | 2.0 | 30-90 @ 1/5 | .85 @ 2/2 | 1.5 @ 2/5 | | 1 @ 100 | 7 | 70 | 50 | .3' @ 1/1 | 1.2' @ 1/1 |
| 2N5150 | 2N5149 | 80 | 2.0 | 70-200 @ 2.5/5 | .85 @ 2/2 | 1.5 @ 2/5 | | 1 @ 100 | 7 | 70 | 50' | .3' @ 1/1 | 1.2' @ 1/1 |
| 2N5152 | 2N5151 | 80 | 2.0 | 30-90 @ 2.5/25 | .75 @ 2.5/25 | 1.45 @ 2.5/5 | | 1 @ 100 | 11.7 | 250 | 40' | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5154 | 2N5153 | 80 | 2.0 | 70-200 @ 2.5/5 | .75 @ 2.5/25 | 1.45 @ 2.5/5 | | 1 @ 100 | 11.7 | 250 | 40' | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5237 | | 120 | 5.0 | 40-120 @ 5/5 | .6 @ 5/5 | | 1.5 @ 5/5 | .01 @ 150 | 8.75 | 150' | 25 | .5 @ 5/5 | 2 @ 5/5 |
| 2N5238 | | 170 | 5.0 | 40-120 @ 5/5 | .6 @ 5/5 | | 1.5 @ 5/5 | .01 @ 200 | 8.75 | 150' | 25 | .5 @ 5/5 | 2 @ 5/5 |
| 2N5334 | | 60 | 3.0 | 30-150 @ 1/2 | .7 @ 2/2 | | 1.5 @ 2/2 | .001 @ 60 | 6 | 75 | 40 | .3' @ 1/1 | 1.2' @ 1/1 |
| 2N5335 | | 80 | 3.0 | 30-150 @ 1/2 | .7 @ 2/2 | | 1.5 @ 2/2 | .001 @ 80 | 6 | 75 | 50t | .3' @ 1/1 | 1.2' @ 1/1 |
| 2N5336 | | 80 | 5.0 | 30-120 @ 2/2 | 1.2 @ 5/5 | | 1.2 @ 2/2 | .01 @ 75 | 6 | 250 | 30 | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5337 | | 80 | 5.0 | 60-240 @ 2/2 | 1.2 @ 5/5 | | 1.2 @ 2/2 | .01 @ 75 | 6 | 250 | 30 | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5338 | | 100 | 5.0 | 30-120 @ 2/2 | 1.2 @ 5/5 | | 1.2 @ 2/2 | .01 @ 90 | 6 | 250 | 30 | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5339 | | 100 | 5.0 | 60-240 @ 2/2 | 1.2 @ 5/5 | | 1.2 @ 2/2 | .01 @ 90 | 6 | 250 | 30 | .3' @ 5/5 | 1.5' @ 5/5 |
| 2N5541 | | 130 | 5.0 | 30-90 @ 5/5 | .6 @ 5/5 | | 1.5 @ 5/5 | .01 @ 175 | 8.75 | 150' | 20 | .5 @ 5/5 | 2 @ 5/5 |
| 2N5681 | 2N5679 | 100 | 1.0 | 40 @ .25/2 | 1.0 @ .5/0.5 | | | | 10 | | | | |
| 2N5682 | 2N5680 | 120 | 1.0 | 40 @ .25/2 | 1.0 @ .5/0.5 | | | 1' @ 100 | 10 | | | | |
| 2N5729 | | 80 | 5.0 | 30-300 @ 2/2 | 1.5 @ 5/5 | | 1.5 @ 5/5 | | 11.7 | 150 | 30 | .2 @ 2/2 | 3.5 @ 2/2 |
| 2N5784 | | 65 | 3.5 | 20-100 @ 1/2 | 2 @ 3.2/8 | 1.5 @ 1/2 | | .01 @ 75 | 10 | 150' | 1 | 5 @ 1/1 | 15 @ 1/1 |
| 2N5785 | | 50 | 3.5 | 20-100 @ 1.2/2 | 2 @ 3.2/8 | 1.5 @ 1.2/2 | | .01 @ 60 | 10 | 150' | 1 | 5 @ 1/1 | 15 @ 1/1 |
| 2N5786 | | 40 | 3.5 | 20-100 @ 1.6/2 | 2 @ 3.2/8 | 1.5 @ 1.6/2 | | .01 @ 45 | 10 | 150' | 1 | 5 @ 1/1 | 15 @ 1/1 |

NOTES: b) I_{CBO} @ V_{CB} (MA @ V) g) I_{CES} @ V_{CE} (mA @ V) h) V_{GER} (V) t) (typical)

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CASE TO-66
I_{C(MAX)} = 1-5A
V_{CEO(SUS)} = 40-425V

PNP Power Transistors

| Type No. | NPN complement | V _{CEO} (max) (V) | I _C (max) (A) | h _{FE} @I _C /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) | V _{BE (SAT)} @ I _C /I _B (V @ A/A) | I _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 100°C (Watts) | I _{sb} @V _{CE} t = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------|----------------------------|--------------------------|--|---|---|--|---|-------------------------------------|--|----------------------|---|--|
| 2N3740 | 2N3766 | 60 | 1 | 30-100 @ .25/1 | .6 @ 1/1.25 | 1 @ .25/1 | | .1 @ 60 | 25 | 1.5 @ 17 | 4 | | |
| 2N3740A | | 60 | 1 | 30-100 @ .25/1 | .6 @ 1/1.25 | 1 @ .25/1 | | .0001 @ 60 | 25 | 1.5 @ 17 | 4 | | |
| 2N3741 | 2N3767 | 80 | 1 | 30-100 @ .25/1 | .6 @ 1/1.25 | 1 @ .25/1 | | .1 @ 80 | 25 | 1.5 @ 17 | 4 | | |
| 2N3741A | | 80 | 1 | 30-100 @ .25/1 | .6 @ 1/1.25 | 1 @ .25/1 | | .0001 @ 80 | 25 | 1.5 @ 17 | 4 | | |
| 2N4898 | 2N4910 | 40 | 1 | 20-100 @ .5/1 | .6 @ 1/1 | 1.3 @ 1/1 | | .1 @ 40 | 25 | 1.5 @ 17 | 3 | | |
| 2N4899 | 2N4911 | 60 | 1 | 20-100 @ .5/1 | .6 @ 1/1 | 1.3 @ 1/1 | | .1 @ 60 | 25 | 1.5 @ 17 | 3 | | |
| 2N4900 | 2N4912 | 80 | 1 | 20-100 @ .5/1 | .6 @ 1/1 | 1.3 @ 1/1 | | .1 @ 80 | 25 | 1.5 @ 17 | 3 | | |
| 2N5344 | | 250 | 1 | 25-100 @ .5/5 | 3 @ 1/1.2 | | 1.5 @ 1/2 | .1 @ 22 | 40 | 1 @ 22 | 10 ⁴ | .2 @ .5/0.5 | .7 @ .5/0.5 |
| 2N5345 | | 300 | 1 | 25-100 @ .5/5 | 3 @ 1/2 | | 1.5 @ 1/2 | .1 @ 270 | 40 | 1 @ 22 | 10 ⁴ | .2 @ .5/0.5 | .7 @ .5/0.5 |
| 2N5954 | 2N6374 | 80 | 6 | 20-100 @ 2/4 | 1 @ 2/2 | 2 @ 2/4 | | .1 @ 85 | 40 | 1.75 @ 23 | 5 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N5955 | 2N6373 | 80 | 6 | 20-100 @ 1.5/4 | 1 @ 2.5/2.5 | 2 @ 2.5/4 | | .1 @ 85 | 40 | 1.75 @ 23 | 5 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N5956 | 2N6372 | 40 | 6 | 20-100 @ 3/4 | 1 @ 3/3 | 2 @ 3/4 | | .1 @ 45 | 40 | 1.75 @ 23 | 5 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N6049 | 2N3054A | 55 | 4 | 25-100 @ .5/4 | .5 @ .5/0.5 | 1 @ .5/4 | | | 75 | 3 @ 25 | 3 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N6211 | 2N3583 | 250 ^a | 2 | 10-100 @ 1/2.8 | 1.4 @ 1/1.25 | | 1.4 @ 1/1.25 | .1 @ 90 | 35 | .875 @ 40 | 20 | .6 @ 1/1.25 | 3.1 @ 1/1.25 |
| 2N6212 | 2N3584 | 325 ^a | 2 | 10-100 @ 1/3.2 | 1.6 @ 1/1.25 | | 1.4 @ 1/1.25 | .5 @ 250 | 35 | .875 @ 40 | 20 | .6 @ 1/1.25 | 3.1 @ 1/1.25 |
| 2N6213 | 2N3585 | 375 ^a | 2 | 10-100 @ 1/4 | 2 @ 1/1.25 | | 1.4 @ 1/1.25 | .2 @ 360 | 35 | .875 @ 40 | 20 | .6 @ 1/1.25 | 3.1 @ 1/1.25 |
| 2N6214 | | 425 ^a | 2 | 10-100 @ 1/5 | 2.5 @ 1/1.25 | | 1.4 @ 1/1.25 | .5 @ 410 | 35 | .875 @ 40 | 20 | .6 @ 1/1.25 | 3.1 @ 1/1.25 |
| 2N6312 | 2N4232A | 40 | 5 | 25-100 @ 1.5/4 | .7 @ 1.5/1.5 | 1.4 @ 1.5/4 | | .1 @ 40 | 75 | 3 @ 25 | 4 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N6313 | 2N4233A | 60 | 5 | 25-100 @ 1.5/4 | .7 @ 1.5/1.5 | 1.4 @ 1.5/4 | | .1 @ 60 | 75 | 3 @ 25 | 4 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N6314 | 2N4233A | 80 | 5 | 25-100 @ 1.5/4 | .7 @ 1.5/1.5 | 1.4 @ 1.5/4 | | .1 @ 80 | 75 | 3 @ 25 | 4 | .7 @ 1.5/1.5 | 1.8 @ 1.5/1.5 |
| 2N6317 | 2N6315 | 60 | 7 | 20-100 @ 2.5/4 | 1 @ 4/4 | 1.5 @ 2.5/4 | | .25 @ 60 | 90 | 3 @ 30 | 4 | .7 @ 2.5/2.5 | 1.8 @ 2.5/2.5 |
| 2N6318 | 2N6316 | 80 | 7 | 20-100 @ 2.5/4 | 1 @ 4/4 | 1.5 @ 2.5/4 | | .25 @ 80 | 90 | 3 @ 30 | 4 | .7 @ 2.5/2.5 | 1.8 @ 2.5/2.5 |

NOTES: h) V_{CE} (V) i) (typical)

CASE TO-59/TO-111
I_{C(MAX)} = 3A-10A
V_{CEO(SUS)} = 40-100V

NPN Power Transistors

| Type No. | V _{CEO} (max) (V) | I _C (max) (A) | h _{FE} @I _C /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) | V _{BE (SAT)} @ I _C /I _B (V @ A/V) | I _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 25°C (Watts) | I _{sb} @V _{CE} t = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|---------------------|----------------------------|--------------------------|--|---|---|--|---|------------------------------------|--|----------------------|---|--|
| 2N2877 | 50 | 5 | 20-60 @ 1/2 | 2 @ 5/5 | 1.2 @ 1/2 | | .01 @ 80 | 30 | 2.5 @ 12 | 30 | .3 @ 1/1 | 1.5 @ 1/1 |
| 2N2878 | 50 | 5 | 40-120 @ 1/2 | 2 @ 5/5 | 1.2 @ 1/2 | | .01 @ 80 | 30 | 2.5 @ 12 | 50 | .3 @ 1/1 | 1.5 @ 1/1 |
| 2N2879 | 70 | 5 | 20-60 @ 1/2 | 2 @ 5/5 | 1.2 @ 1/2 | | .01 @ 100 | 30 | 2.5 @ 12 | 30 | .3 @ 1/1 | 1.5 @ 1/1 |
| 2N2880 | 70 | 5 | 40-120 @ 1/2 | 2 @ 5/5 | 1.2 @ 1/2 | | .01 @ 100 | 30 | 1.5 @ 12 | 50 | .3 @ 1/1 | 1.5 @ 1/1 |
| 2N2892 | 80 | 5 | 30-90 @ 1/2 | .75 @ 2/2 | | 1.2 @ 1/1 | .1 ^a @ 100 | 17 | 3 @ 10 | 30 | .3 @ 1/0.5 | 1.5 @ 1/0.5 |
| 2N2893 | 80 | 5 | 50-150 @ 1/2 | .75 @ 2/2 | | 1.2 @ 1/1 | .1 ^a @ 100 | 17 | 3 @ 10 | 30 | .3 @ 1/0.5 | 1.5 @ 1/0.5 |
| 2N3850 | 80 | 5 | 50-150 @ 1/1 | .5 @ 2/2 | | 1.3 @ 2/2 | .0001 ^a @ 80 | 40 | | 20 | .2 @ 1/0.5 | .9 @ 1/0.5 |
| 2N3851 | 80 | 5 | 30-90 @ 1/1 | .5 @ 2/2 | | 1.3 @ 2/2 | .0001 ^a @ 80 | 40 | | 20 | .2 @ 1/0.5 | .9 @ 1/0.5 |
| 2N3852 | 40 | 5 | 50-150 @ 1/1 | .5 @ 2/2 | | 1.3 @ 2/2 | .0001 ^a @ 40 | 40 | | 20 | .2 @ 1/0.5 | .9 @ 1/0.5 |
| 2N2853 | 40 | 5 | 30-90 @ 1/1 | .5 @ 2/2 | | 1.3 @ 2/2 | .0001 ^a @ 40 | 40 | | 20 | .2 @ 1/0.5 | .9 @ 1/0.5 |
| 2N3998 ^a | 80 | 5 | 40-120 @ 1/2 | 2 @ 5/5 | | .6-1.2 @ 1/1 | .005 ^a @ 90 | 30 | 1.5 @ 20 | 40 | .3 @ 1/1 | 1.5 @ 1/1 |
| 2N3999 ^a | 80 | 5 | 80-240 @ 1/2 | 2 @ 5/5 | | .6-1.2 @ 1/1 | .005 ^a @ 90 | 30 | 1.5 @ 20 | 40 | .3 @ 1/1 | 2 @ 1/1 |
| 2N5477 | 80 | 7 | 30-120 @ 2/2 | 1.2 @ 7/7 | | 1.2 @ 2/2 | .01 ^a @ 80 | 34 | 3 @ 20 | 30 | .2 @ 2/2 | 2.2 @ 2/2 |
| 2N5478 | 80 | 7 | 60-240 @ 2/2 | 1.2 @ 7/7 | | 1.2 @ 2/2 | .01 ^a @ 80 | 34 | | 30 | .2 @ 2/2 | 2.2 @ 2/2 |
| 2N5479 | 100 | 7 | 30-120 @ 2/2 | 1.2 @ 7/7 | | 1.2 @ 2/2 | .01 ^a @ 100 | 34 | | 30 | .2 @ 2/2 | 2.2 @ 2/2 |
| 2N5480 | 100 | 7 | 60-240 @ 2/2 | 1.2 @ 7/7 | | 1.2 @ 2/2 | .01 ^a @ 100 | 34 | | 30 | .2 @ 2/2 | 2.2 @ 2/2 |

NOTES: b) I_{CBO} @ V_{CB} (mA @ V) c) I_{CE} @ V_{CE} (mA @ V) d) (typical)

General Transistor Corporation

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PNP Power Transistors

CASE TO-5/TO-39
 $I_{C(MAX)} = 0.05-5A$
 $V_{CEO(SUS)} = 40-450V$

| Type No. | NPN complement | V _{CEO} (max) (V) | I _C (max) (A) | h _{FE} @I _C /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 _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 100°C (Watts) | C _{ob} (pF) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------|----------------------------|--------------------------|--|---|---|---|-------------------------------------|----------------------|----------------------|---|--|
| 2N3743 | 2N3742 | 300 | .05 | 25-250 @ .03/10 | 8 @ .03/0.03 | 1.2 @ .03/0.03 | .0003 ^a @ 200 | 5 | 120 | 10 ^a | | |
| 2N3867 | | 40 | 3 | >25 @ 2.5/3 | 1.3 @ 2.5/25 | 2.2 @ 2.5/25 | .001 @ 40 | 6 | 120 | 60 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N3868 | | 60 | 3 | >25 @ 2.5/3 | 1.3 @ 2.5/25 | 2.2 @ 2.5/25 | .001 @ 60 | 6 | 120 | 60 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N4930 | 2N4928 | 200 | .05 | 20-200 @ .01/10 | 5 @ .01/0.01 | 1 @ .01/10 | .1 ^a @ 200 | 5 | 20 | 10 ^a | | |
| 2N4931 | 2N4927 | 250 | .05 | 20-200 @ .01/10 | 5 @ .01/0.01 | 1 @ .01/10 | .1 ^a @ 250 | 5 | 20 | 10 ^a | | |
| 2N5091 | | 300 | 1 | 20-200 @ .1/15 | 3 @ .025/0.025 | 1 @ .025/10 | .1 ^a @ 350 | 4 | 20 | 10 ^a | | |
| 2N5093 | 2N5092 | 350 | 1 | 20-200 @ .1/15 | 3 @ .025/0.025 | 1 @ .025/10 | .1 ^a @ 400 | 4 | 20 | 10 ^a | | |
| 2N5094 | 2N5095 | 400 | 1 | 20-200 @ .1/15 | 3 @ .025/0.025 | 1 @ .025/10 | .1 ^a @ 450 | 4 | 20 | 10 ^a | | |
| 2N5096 | 2N5097 | 450 | 1 | 20-200 @ .1/15 | 3 @ .025/0.025 | 1 @ .025/10 | .1 ^a @ 500 | 4 | 20 | 10 ^a | | |
| 2N5147 | 2N5148 | 80 | 2 | 30-90 @ 1/5 | .85 @ 2/2 | 1.5 @ 2/5 | 1 @ 100 | 6 | 120 | 50 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N5149 | 2N5150 | 80 | 5 | 70-200 @ 1/5 | .85 @ 2/2 | 1.5 @ 2/5 | 1 @ 100 | 6 | 120 | 60 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N5151 | 2N5152 | 80 | 5 | 30-90 @ 2.5/5 | .75 @ 2.5/25 | 1.45 @ 2.5/5 | 1 @ 100 | 10 | 250 | 60 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N5153 | 2N5154 | 80 | 5 | 70-200 @ 2.5/5 | .75 @ 2.5/25 | 1.45 @ 2.5/5 | 1 @ 100 | 10 | 250 | 60 | .3 @ 1/1 | 1.2 @ 1/1 |
| 2N5415 | 2N3440 | 200 | 1 | 30-150 @ .05/10 | 2.5 @ .05/0.05 | 1.5 @ .05/10 | .05 @ 200 | 10 | 15 | 15 | | |
| 2N5416 | 2N3439 | 300 | 1 | 30-150 @ .05/10 | 2 @ .05/0.05 | 1.5 @ .05/10 | .05 @ 300 | 10 | 15 | 15 | | |

NOTES: b) I_{CB0} @ V_{CB} (mA @ V) c) V_{BE(SAT)} @ I_C/I_B (V @ A/A) d) (typical)

NPN Power Transistors

CASE TO-8
 $I_{C(MAX)} = 1-3A$
 $V_{CEO(SUS)} = 40-55V$

| Type No. | V _{CEO} (max) (V) | I _C (max) (A) | h _{FE} @I _C /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 _{CEV} @ V _{CE} (mA @ V) | P _D @ TC = 25°C (Watts) | I _{e/b} @V _{CE} t = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------------------|--------------------------|--|---|---|---|------------------------------------|---|----------------------|---|--|
| 2N1483 | 40 | 3 | 20-60 @ .75/4 | 2 @ .75/0.75 | 3.5 @ .75/4 | .015 ^a @ 30 | 25 | 1 ^a @ 25 | 1.25 | .3 @ 1/1 | 6 @ 1/1 |
| 2N1484 | 55 | 3 | 20-60 @ .75/4 | 2 @ .75/0.75 | 3.5 @ .75/4 | .015 ^a @ 30 | 25 | 1 ^a @ 25 | 1.25 | .3 @ 1/1 | 6 @ 1/1 |
| 2N1495 | 40 | 3 | 35-100 @ .75/4 | .75 @ .75/4 | 2.5 @ .75/4 | .015 ^a @ 30 | 25 | 1 ^a @ 25 | 1.25 | .3 @ 1/1 | 6 @ 1/1 |
| 2N1486 | 55 | 3 | 35-100 @ .75/4 | 2.5 @ .75/4 | 2.5 @ .75/4 | .015 ^a @ 30 | 25 | 1 ^a @ 25 | 1.25 | .3 @ 1/1 | 6 @ 1/1 |
| 2N1701 | 40 | 2.5 | 20-80 @ 3/4 | 3 @ .3/4 | 3 @ .3/4 | .75 ^a @ 60 | 25 | 1 ^a @ 25 | 0.35 | .3 @ 1/1 | 6 @ 1/1 |

NOTES: b) I_{CB0} @ V_{CB} (mA @ V) d) (typical)

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CASE TO-61
I_c(MAX) = 5 to 20A
V_{CEO}(SUS) = 40-300V

NPN Power Transistors

| Type No. | V _{CEO} (min) (V) | I _C (max) (A) | h _{FE} (I _C /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) | V _{BE} (SAT) @ I _C /I _B (V @ A/V) | I _{CEV} @ V _{CE} (mA @ V) | P _D @ T _C = 25°C (Watts) | I _{sat} @ V _{CE} I = 1 sec (A @ V) | f _r (MHz) | t _{on} @ I _C /I _B (μs @ A/A) | t _{OFF} @ I _C /I _B (μs @ A/A) |
|----------|----------------------------------|--------------------------------|---|--|---|--|--|--|--|-------------------------|--|---|
| 2N1724 | 80 | 5 | 20-90 @ 2/15 | 1 @ 2/2 | | 2 @ 2/2 | 10 ⁴ @ 120 | 50 | 1.25 @ 40 | 10 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N1724A | 120 | 5 | 30-90 @ 2/15 | .5 @ 2/2 | | 1.2 @ 2/2 | 10 ⁴ @ 180 | 50 | 1.25 @ 40 | 10 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N1725 | 80 | 5 | 50-150 @ 2/15 | 1 @ 2/2 | | 2 @ 2/2 | 10 ⁴ @ 120 | 50 | 1.25 @ 40 | 10 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N2811 | 50 | 10 | 20-80 @ 5/5 | .5 @ 5/5 | | 1.2 @ 5/5 | .01 @ 80 | 40 | 1.25 @ 40 | 15 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N2812 | 50 | 10 | 40-120 @ 5/5 | .5 @ 5/5 | | 1.2 @ 5/5 | .01 @ 80 | 40 | 1.25 @ 40 | 15 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N2813 | 70 | 10 | 20-60 @ 5/5 | .5 @ 5/5 | | 1.2 @ 5/5 | .01 @ 120 | 40 | 1.25 @ 40 | 15 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N2814 | 70 | 10 | 40-120 @ 5/5 | .5 @ 5/5 | | 1.2 @ 5/5 | .01 @ 120 | 40 | 1.25 @ 40 | 15 | .3 @ 5/5 | 1.5 @ 5/5 |
| 2N3487 | 60 | 7.5 | 20-60 @ 3/5 | 1.2 @ 3/3 | 1.5 @ 3/5 | | .1 @ 80 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3488 | 80 | 7.5 | 20-60 @ 3/5 | 1.2 @ 3/3 | 1.5 @ 3/5 | | .1 @ 100 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3489 | 100 | 7.5 | 15-45 @ 3/5 | 1.2 @ 3/3 | 1.5 @ 3/5 | | .1 @ 120 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3490 | 60 | 7.5 | 40-120 @ 5/5 | 1.5 @ 5/5 | 1.4 @ 5/5 | | .1 @ 80 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3491 | 80 | 7.5 | 40-120 @ 5/5 | 1.5 @ 5/5 | 1.4 @ 5/5 | | .1 @ 100 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3492 | 100 | 7.5 | 30-90 @ 5/5 | 1.5 @ 5/5 | 1.4 @ 5/5 | | .1 @ 120 | 67 | 7.5 @ 15.6 | 10 | .35 @ 5/5 | 2.35 @ 5/5 |
| 2N3597 | 40 | 20 | 40-120 @ 10/2 | 1.5 @ 20/2 | 1.2 @ 10/2 | | .01 @ 60 | 100 | 4 @ 25 | 30 | .7 @ 10/1 | 2.7 @ 10/1 |
| 2N3598 | 60 | 20 | 40-120 @ 10/2 | 1.5 @ 20/2 | 1.2 @ 10/2 | | .1 @ 80 | 100 | 4 @ 25 | 30 | .7 @ 10/1 | 2.7 @ 10/1 |
| 2N3599 | 80 | 20 | 40-120 @ 10/2 | 1.5 @ 20/2 | 1.2 @ 10/2 | | .01 @ 100 | 100 | 4 @ 25 | 30 | .7 @ 10/1 | 2.7 @ 10/1 |
| 2N4301 | 80 | 10 | 30-120 @ 5/4 | .4 @ 5/5 | 1.2 @ 10/4 | | .01 @ 90 | 50 | 3 @ 16.7 | 40 | .5 @ 10/1 | 1.5 @ 10/1 |
| 2N5048 | 100 | 10 | 15-60 @ 10/4 | 2 @ 10/1 | | 3 @ 10/1 | 1 @ 120 | 50 | 1 @ 50 | 10 | .6 @ 10/1.5 | 2.1 @ 10/1.5 |
| 2N5049 | 50 | 10 | 15-60 @ 10/4 | 2.5 @ 10/1 | | 3 @ 10/1 | 10 ⁴ @ 60 | 50 | 1 @ 50 | 10 | 1 @ 10/1.5 | 3.5 @ 10/1.5 |
| 2N5218 | 200 | 10 | 15-120 @ 5/5 | .6 @ 5/5 | 1.2 @ 5/5 | | .01 @ 220 | 50 | 1.43 @ 35 | 40 | .6 @ 1/1 | 5.5 @ 1/1 |
| 2N5313 | 80 | 10 | 30-90 @ 10/5 | 1.5 @ 10/1 | | 1.5 @ 10/1 | .01 @ 80 | 50 | 2.5 @ 20 | 30 | .5 @ 10/1 | 1.5 @ 10/1 |
| 2N5315 | 100 | 10 | 30-90 @ 10/5 | 1.5 @ 10/1 | | 1.5 @ 10/1 | .01 @ 100 | 50 | 2.5 @ 20 | 30 | .5 @ 10/1 | 1.5 @ 10/1 |
| 2N5387 | 200 | 7.5 | 25-100 @ 2/5 | 2.2 @ 7/1.4 | 2.5 @ 7/5 | | 1 @ 180 | 100 | 5 @ 20 | 15 | 1.5 @ 5/5 | 3 @ 5/5 |
| 2N5388 | 250 | 7.5 | 25-100 @ 2/5 | 2.2 @ 7/1.4 | 2.5 @ 7/5 | | 1 @ 225 | 100 | 5 @ 20 | 15 | 1.5 @ 5/5 | 3 @ 5/5 |
| 2N5389 | 300 | 7.5 | 25-100 @ 2/5 | 2.2 @ 7/1.4 | 2.5 @ 7/5 | | 1 @ 270 | 100 | 2 @ 20 | 15 | 1.5 @ 5/5 | 3 @ 5/5 |
| 2N5540 | 300 | 10 | 20-60 @ 5/5 | 1 @ 8/8 | | 1.2 @ 5/5 | .1 @ 325 | 50 | .83 @ 60 | 20 | 1.5 @ 5/5 | 3 @ 5/5 |
| 2N5542 | 130 | 10 | 30-90 @ 5/5 | .5 @ 5/5 | | 1.2 @ 5/5 | .01 @ 175 | 50 | 5 @ 10 | 20 | .5 @ 5/5 | 2 @ 5/5 |
| 2N5959 | 100 | 20 | 30-120 @ 10/10 | .4 @ 5/5 | | 2 @ 20/2 | .5 @ 100 | 100 | 4 @ 25 | 10 | .5 @ 20/2 | 1 @ 20/2 |
| 2N6562 | 450 | 10 | 10-40 @ 5/2 | .75 @ 5/1 | | 1.4 @ 5/1 | 1 @ 450 | 125 | 2.8 @ 45 | 10 | .6 @ 5/1 | 3 @ 5/1 |
| 2N6563 | 300 | 10 | 10-50 @ 10/2 | .75 @ 10/2 | | 1.8 @ 10/2 | 1 @ 300 | 100 | 2 @ 50 | 15 | .6 @ 5/1 | 1.7 @ 5/1 |
| 2N6585 | 350 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 5/1 | .5 @ 450 | 125 | .09 @ 200 | 12.5 | .55 @ 5/1 | 2.5 @ 5/1 |
| 2N6586 | 400 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 5/1 | .5 @ 500 | 125 | .09 @ 200 | 12.5 | .55 @ 5/1 | 2.5 @ 5/1 |
| 2N6587 | 450 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 5/1 | .5 @ 550 | 125 | .09 @ 200 | 12.5 | .55 @ 5/1 | 2.5 @ 5/1 |
| 2N6588 | 350 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 7/1.4 | .5 @ 450 | 125 | .09 @ 200 | 12.5 | .55 @ 7/1.4 | 2.5 @ 7/1.4 |
| 2N6589 | 400 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 7/1.4 | .5 @ 500 | 125 | .09 @ 200 | 12.5 | .55 @ 7/1.4 | 2.5 @ 7/1.4 |
| 2N6590 | 450 | 10 | 7-35 @ 5/3 | 3 @ 10/5 | | 1.5 @ 7/1.4 | .5 @ 550 | 125 | .09 @ 200 | 12.5 | .55 @ 7/1.4 | 2.5 @ 7/1.4 |
| 2N6689 | 300 | 15 | >8 @ 10/2 | 1 @ 10/2 | | 1.5 @ 10/2 | .1 @ 450 | 175 | 5 @ 20 | 15 | .7 @ 10/2 | 3 @ 10/1 |
| 2N6690 | 400 | 15 | >8 @ 10/2 | 1 @ 10/2 | | 1.5 @ 10/2 | .1 @ 650 | 175 | 5 @ 20 | 15 | .7 @ 10/2 | 3 @ 10/1 |
| 2N6691 | 300 | 15 | >8 @ 15/3 | 1 @ 15/3 | | 1.5 @ 15/3 | .1 @ 450 | 175 | 5 @ 20 | 15 | .7 @ 15/3 | 3 @ 15/3 |
| 2N6692 | 350 | 15 | >8 @ 15/3 | 1 @ 15/3 | | 1.5 @ 15/3 | .1 @ 550 | 175 | 5 @ 20 | 15 | .7 @ 15/3 | 3 @ 15/3 |
| 2N6693 | 400 | 15 | >8 @ 15/3 | 1 @ 15/3 | | 1.5 @ 15/3 | .1 @ 650 | 175 | 5 @ 20 | 15 | .7 @ 15/3 | 3 @ 15/3 |

NOTES: b) I_{CB0} @ V_{CB} (mA @ V) g) I_{CES} @ V_{CE} (mA @ V) h) (typical)