

COLLECTOR CURRENT = 5 AMPS NPN TYPES - CONTINUED

| Device No | Case | VCBO Volts | VCEO (sus) Volts | VEBO Volts | hFE | | VCE | IC | VCE (sat) | VBE (sat) | @ IC | @ IB | θJC °C/W | Ft MHz |
|-------------|----------|---------------|---------------------|---------------|-----|-----|-----|-----|-----------|-----------|------|------|-------------|-----------|
| | | | | | MIN | MAX | | | | | | | | |
| 2N3751 | TO-111/I | 80 | 60 | 8 | 100 | 300 | 5 | 1 | .25 | 1.2 | 1 | .1 | 3.33 | 60 |
| 2N3752 | TO-111/I | 100 | 80 | 8 | 100 | 300 | 5 | 1 | .25 | 1.2 | 1 | .1 | 3.33 | 60 |
| 2N3788 | TO-3 | 400 | 325 | 5 | 20 | 80 | 5 | .5 | 1 | 1.2 | 1.5 | .3 | 1.25 | 4 |
| 2N3850 | TO-111 | 100 | 80 | 5 | 50 | 150 | 1 | 1 | .5 | 1.3 | 2 | .2 | 3.33 | 60 |
| 2N3851 | TO-111 | 100 | 80 | 5 | 30 | 90 | 1 | 1 | .5 | 1.3 | 2 | .2 | 3.33 | 60 |
| 2N3852 | TO-111 | 60 | 40 | 5 | 50 | 150 | 1 | 1 | .5 | 1.3 | 2 | .2 | 3.33 | 60 |
| 2N3853 | TO-111 | 60 | 40 | 5 | 30 | 90 | 1 | 1 | .5 | 1.3 | 2 | .2 | 3.33 | 60 |
| 2N3902 | TO-3 | 400 | 400 | 5 | 30 | 90 | 5 | 1 | 2.5 | 2 | 2.5 | .5 | 1.25 | 4 |
| 2N3928 | TO-5 | 80 | 40 | 4 | 40 | 150 | 5 | 1 | .5 | 1.25 | 1 | .1 | 25 | 60 |
| 2N3929 | TO-111 | 80 | 40 | 4 | 40 | 150 | 5 | 1 | .5 | 1.25 | 1 | .1 | 3.33 | 60 |
| 2N3996 | TO-111/I | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JAN 2N3996 | TO-111/I | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTX 2N3996 | TO-111/I | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTXV 2N3996 | TO-111/I | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| 2N3997 | TO-111/I | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JAN 2N3997 | TO-111/I | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTX 2N3997 | TO-111/I | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTXV 2N3997 | TO-111/I | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| 2N3998 | TO-111 | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JAN 2N3998 | TO-111 | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTX 2N3998 | TO-111 | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTXV 2N3998 | TO-111 | 100 | 80 | 8 | 40 | 120 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| 2N3999 | TO-111 | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JAN 2N3999 | TO-111 | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTX 2N3999 | TO-111 | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| JTXV 2N3999 | TO-111 | 100 | 80 | 8 | 80 | 240 | 2 | 1 | .25 | 1.6 | 1 | .1 | 3.33 | 60 |
| 2N4111 | TO-3 | 100 | 60 | 8 | 40 | 120 | 5 | 2 | 1.5 | 2.2 | 5 | .5 | 1.5 | 70 |
| 2N4112 | TO-3 | 100 | 60 | 8 | 100 | 300 | 5 | 2 | 1.5 | 2.2 | 5 | .5 | 1.5 | 80 |
| 2N4113 | TO-3 | 120 | 80 | 8 | 40 | 120 | 5 | 2 | 1.5 | 2.2 | 5 | .5 | 1.5 | 70 |
| 2N4114 | TO-3 | 120 | 80 | 8 | 100 | 300 | 5 | 2 | 1.5 | 2.2 | 5 | .5 | 1.5 | 80 |
| 2N4115 | TO-111/I | 120 | 80 | 8 | 40 | 120 | 5 | 2 | .6 | 1.3 | 2 | .2 | 3.33 | 70 |
| 2N4116 | TO-111/I | 120 | 80 | 8 | 100 | 300 | 5 | 2 | .6 | 1.3 | 2 | .2 | 3.33 | 70 |
| 2N4231 | TO-66 | 40 | 40 | 5 | 25 | 100 | 2 | 1.5 | .7 | 1.4 | 1.5 | .15 | 5 | 60 |
| 2N4232 | TO-66 | 60 | 60 | 5 | 25 | 100 | 2 | 1.5 | .7 | 1.4 | 1.5 | .15 | 5 | 60 |
| 2N4233 | TO-66 | 80 | 80 | 5 | 25 | 100 | 2 | 1.5 | .7 | 1.4 | 1.5 | .15 | 5 | 60 |
| 2N4300 | TO-5 | 100 | 80 | 8 | 30 | 120 | 2 | 1 | .5 | 1.2 | 2 | .2 | 25 | 60 |
| 2N4305 | TO-5 | 120 | 80 | 6 | 50 | 150 | 2 | 1 | 1 | 1.5 | 5 | .5 | 25 | 60 |
| 2N4307 | TO-5 | 100 | 60 | 6 | 50 | 150 | 2 | 1 | 1 | 1.5 | 5 | .5 | 25 | 60 |
| 2N4309 | TO-5 | 120 | 80 | 6 | 50 | 150 | 2 | 1 | 1.4 | 1.8 | 5 | .5 | 25 | 60 |
| 2N4311 | TO-5 | 100 | 60 | 6 | 40 | 120 | 2 | 1 | 1.4 | 1.8 | 5 | .5 | 25 | 60 |
| 2N4895 | TO-5 | 120 | 60 | 6 | 40 | 120 | 2 | 2 | 1 | 1.6 | 5 | .5 | 25 | 50 |
| 2N4896 | TO-5 | 120 | 60 | 6 | 100 | 300 | 2 | 2 | 1 | 1.6 | 5 | .5 | 25 | 80 |
| 2N4897 | TO-5 | 150 | 80 | 6 | 40 | 120 | 2 | 2 | 1 | 1.6 | 5 | .5 | 25 | 50 |
| 2N4913 | TO-3 | 40 | 40 | 5 | 25 | 100 | 2 | 2.5 | .75 | 1.5 | 2.5 | .25 | 2 | 4 |
| 2N4914 | TO-3 | 60 | 60 | 5 | 25 | 100 | 2 | 2.5 | .75 | 1.5 | 2.5 | .25 | 2 | 4 |
| 2N4915 | TO-3 | 80 | 80 | 5 | 25 | 100 | 2 | 2.5 | .75 | 1.5 | 2.5 | .25 | 2 | 4 |
| 2N4998 | TO-111/I | 100 | 80 | 6 | 30 | 90 | 5 | 1 | .85 | 1.5 | 2 | .2 | 3.33 | 60 |
| 2N5000 | TO-111/I | 100 | 80 | 6 | 70 | 200 | 5 | 1 | .85 | 1.5 | 2 | .2 | 3.33 | 60 |