

PARAMETER TABLES

COLLECTOR CURRENT = 2 AMPS NPN TYPES

| Device No | Case | VCBO Volts | V _{CEO} (sus) Volts | VEBO Volts | h _{FE} | | VCE | IC | VCE (sat) | VBE (sat) | @ IC | @ IB | θ _{JC} °C/W | F _t MHz |
|-----------|-------|---------------|---------------------------------|---------------|-----------------|-----|-----|-----|-----------|-----------|------|------|-------------------------|-----------------------|
| | | | | | Min | Max | | | | | | | | |
| 2N1252 | TO-5 | 30 | 20 | 5 | 35 | 45 | 10 | .2 | 1.5 | 1.3 | .2 | .02 | 25 | 80 |
| 2N1253 | TO-5 | 30 | 20 | 5 | 45 | | 10 | .2 | 1.5 | 1.3 | .2 | .02 | 25 | 80 |
| 2N1506 | TO-5 | 60 | 40 | 4 | 10 | 100 | 28 | .1 | 1.5 | 1.5 | .2 | .05 | 25 | 80 |
| 2N1506A | TO-5 | 80 | 80 | 5 | 10 | 100 | 28 | .1 | .6 | 1.5 | .2 | .05 | 25 | 80 |
| 2N1714 | TO-5 | 90 | 60 | 6 | 20 | 60 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| 2N1715 | TO-5 | 150 | 100 | 6 | 20 | 60 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| 2N1716 | TO-5 | 90 | 60 | 6 | 40 | 120 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| 2N1717 | TO-5 | 150 | 100 | 6 | 40 | 120 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| 2N1718 | TO-5 | 90 | 60 | 6 | 20 | 60 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N1719 | TO-5 | 150 | 100 | 6 | 20 | 60 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N1720 | TO-5 | 90 | 60 | 6 | 40 | 120 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N1721 | TO-5 | 150 | 100 | 6 | 40 | 120 | 5 | .2 | 2 | 1.6 | .2 | .02 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N1889 | TO-5 | 100 | 60 | 7 | 40 | 120 | 10 | .15 | 5 | 1.3 | .1 | .01 | 25 | 80 |
| 2N1890 | TO-5 | 100 | 60 | 7 | 100 | 300 | 10 | .15 | 5 | 1.3 | .1 | .01 | 25 | 80 |
| 2N1974 | TO-5 | 100 | 60 | 7 | 35 | | 10 | .1 | 1.2 | 1.8 | .1 | .01 | 25 | 80 |
| 2N1975 | TO-5 | 100 | 60 | 7 | 15 | | 10 | .1 | 1.2 | 1.8 | .1 | .01 | 25 | 80 |
| 2N2987 | TO-5 | 95 | 80 | 7 | 25 | 75 | 5 | .2 | .8 | 1 | .2 | .02 | 25 | 80 |
| 2N2988 | TO-5 | 155 | 100 | 7 | 25 | 75 | 5 | .2 | .8 | 1 | .2 | .02 | 25 | 80 |
| 2N2989 | TO-5 | 95 | 80 | 7 | 60 | 120 | 5 | .2 | .8 | 1 | .2 | .02 | 25 | 80 |
| 2N2990 | TO-5 | 155 | 100 | 7 | 60 | 120 | 5 | .2 | .8 | 1 | .2 | .02 | 25 | 80 |
| 2N2991 | TO-5 | 95 | 80 | 7 | 25 | 75 | 5 | .2 | 3 | 1.4 | .5 | .05 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N2992 | TO-5 | 155 | 100 | 7 | 25 | 75 | 5 | .2 | 3 | 1.4 | .4 | .05 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N2993 | TO-5 | 95 | 80 | 7 | 60 | 120 | 5 | .2 | 3 | 1.4 | .5 | .05 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N2994 | TO-5 | 155 | 100 | 7 | 60 | 120 | 5 | .2 | 3 | 1.4 | .5 | .05 | 25 | 80 |
| | STUD | | | | | | | | | | | | | |
| 2N3665 | TO-5 | 120 | 80 | 8 | 40 | 120 | 10 | .2 | 1.2 | 1.8 | .5 | .05 | 25 | 80 |
| 2N3666 | TO-5 | 120 | 80 | 8 | 100 | 300 | 10 | .2 | 1.2 | 1.8 | .5 | .05 | 25 | 80 |
| 2N3766 | TO-66 | 80 | 60 | 6 | 40 | 160 | 10 | .5 | 2.5 | 1.5 | 1 | .1 | 6 | 80 |
| 2N3767 | TO-66 | 100 | 80 | 6 | 40 | 160 | 10 | .5 | 2.5 | 1.5 | 1 | .1 | 6 | 80 |
| 2N3917 | TO-3 | 80 | 40 | 6 | 30 | 120 | 4 | 1 | 1.2 | 1.5 | 1 | .1 | 6 | 80 |
| 2N3918 | TO-3 | 80 | 40 | 6 | 100 | 300 | 4 | 1 | 1.2 | 1.5 | 1 | .1 | 6 | 80 |
| 2N4000 | TO-5 | 100 | 80 | 8 | 30 | 120 | 2 | .5 | .5 | 1.2 | 1 | .1 | 25 | 80 |
| 2N4001 | TO-5 | 120 | 100 | 8 | 40 | 120 | 2 | .5 | .5 | 1.2 | 1 | .1 | 25 | 80 |
| 2N4237 | TO-5 | 50 | 40 | 6 | 30 | 120 | 1 | .25 | .6 | 1.5 | 1 | .1 | 25 | 80 |
| 2N4238 | TO-5 | 80 | 60 | 6 | 30 | 120 | 1 | .25 | .6 | 1.5 | 1 | .1 | 25 | 80 |
| 2N4239 | TO-5 | 100 | 80 | 6 | 30 | 120 | 1 | .25 | .6 | 1.5 | 1 | .1 | 25 | 80 |
| 2N4240 | TO-5 | 500 | 300 | 6 | 30 | 150 | 10 | 1 | 1 | 1.8 | .75 | .075 | 5 | 10 |
| 2N4862 | TO-46 | 140 | 120 | 8 | 50 | 150 | 2 | .5 | .2 | 1.2 | .5 | .05 | 25 | 80 |
| 2N4863 | TO-5 | 140 | 120 | 8 | 50 | 150 | 2 | .5 | .2 | 1.2 | .5 | .05 | 25 | 80 |
| 2N4864 | TO-66 | 140 | 120 | 8 | 50 | 150 | 2 | .5 | .2 | 1.2 | .5 | .05 | 6 | 80 |
| 2N4910 | TO-66 | 40 | 40 | 5 | 20 | 100 | 1 | .5 | .6 | 1.3 | 1 | .1 | 6 | 4 |
| 2N4911 | TO-66 | 60 | 60 | 5 | 20 | 100 | 1 | .5 | .6 | 1.3 | 1 | .1 | 6 | 4 |
| 2N4912 | TO-66 | 80 | 80 | 5 | 20 | 100 | 1 | .5 | .6 | 1.3 | 1 | .1 | 6 | 4 |
| 2N5050 | TO-66 | 125 | 125 | 6 | 25 | 100 | 5 | .75 | 1 | 1.2 | .75 | .1 | 3.7 | 10 |
| 2N5051 | TO-66 | 150 | 150 | 6 | 25 | 100 | 5 | .75 | 1 | 1.2 | .75 | .1 | 3.7 | 10 |
| 2N5052 | TO-66 | 200 | 200 | 6 | 25 | 100 | 5 | .75 | 1 | 1.2 | .75 | .1 | 3.7 | 10 |
| 2N5660 | TO-66 | 250 | 200 | 6 | 40 | 120 | 5 | 1 | .4 | 1.2 | 1 | .1 | 5 | 60 |
| 2N5661 | TO-66 | 400 | 300 | 6 | 25 | 75 | 5 | 1 | .4 | 1.2 | 1 | .1 | 4 | 60 |
| 2N5662 | TO-5 | 250 | 200 | 6 | 40 | 120 | 5 | 1 | .4 | 1.2 | 1 | .1 | 20 | 60 |
| 2N5663 | TO-5 | 400 | 300 | 6 | 25 | 75 | 5 | 1 | .4 | 1.2 | 1 | .1 | 20 | 60 |
| 2N5681 | TO-5 | 100 | 100 | 4 | 40 | 150 | 2 | .3 | .6 | 1 | .2 | .02 | 25 | 80 |
| 2N5682 | TO-5 | 120 | 120 | 4 | 40 | 150 | 2 | .3 | .60 | 1 | .2 | .02 | 25 | 80 |