

COLLECTOR CURRENT = 7 AMPS NPN TYPES

| Device No | Case | VCBO Volts | VCEO (sus) Volts | VEBO Volts | hFE | | VCE | IC | VCE (sat) | VBE (sat) | @ IC | @ IB | θ _{JC} °C/W | F _t MHz |
|-----------|----------|------------|------------------|------------|-----|-----|-----|----|-----------|-----------|------|------|----------------------|--------------------|
| | | | | | Min | Max | | | | | | | | |
| 2N3878 | TO-66 | 120 | 50 | 7 | 50 | 200 | 5 | .5 | 2 | 2.5 | 4 | .4 | 5 | 60 |
| 2N3879 | TO-66 | 120 | 75 | 7 | 12 | 100 | 2 | 4 | 1.2 | 2 | 4 | .4 | 5 | 60 |
| 2N5202 | TO-66 | 100 | 50 | 6 | 10 | 100 | 1 | 4 | 1.2 | 1.9 | 4 | .4 | 5 | 60 |
| 2N5326 | TO-111/I | 100 | 80 | 6 | 50 | 150 | 1 | 1 | 1 | 1.5 | 5 | .5 | 3.33 | 80 |
| 2N5346 | TO-111/I | 100 | 80 | 6 | 30 | 120 | 2 | 2 | .7 | 1.2 | 2 | .2 | 3.33 | 30 |
| 2N5348 | TO-111/I | 100 | 100 | 6 | 30 | 120 | 2 | 2 | .7 | 1.2 | 2 | .2 | 3.33 | 30 |
| 2N5349 | TO-111/I | 100 | 100 | 6 | 60 | 240 | 2 | 2 | .7 | 1.2 | 2 | .2 | 3.33 | 30 |

COLLECTOR CURRENT = 8 AMPS NPN TYPES

| Device No | Case | VCBO Volts | VCEO (sus) Volts | VEBO Volts | hFE | | VCE | IC | VCE (sat) | VBE (sat) | @ IC | @ IB | θ _{JC} °C/W | F _t MHz |
|-----------|------|------------|------------------|------------|-----|-----|-----|----|-----------|-----------|------|------|----------------------|--------------------|
| | | | | | Min | Max | | | | | | | | |
| 2N3773 | TO-3 | 160 | 140 | 7 | 15 | 60 | 4 | 8 | 1.4 | 2.2 | 8 | .8 | 1.2 | .8 |

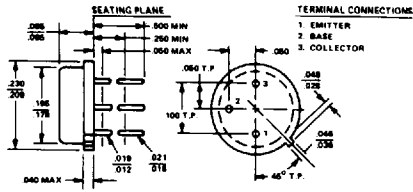
COLLECTOR CURRENT = 10 AMPS NPN TYPES

| Device No | Case | VCBO Volts | VCEO (sus) Volts | VEBO Volts | hFE | | VCE | IC | VCE (sat) | VBE (sat) | @ IC | @ IB | θ _{JC} °C/W | F _t MHz |
|--------------|-------|------------|------------------|------------|-----|-----|-----|----|-----------|-----------|------|------|----------------------|--------------------|
| | | | | | Min | Max | | | | | | | | |
| 2N1724 | TO-61 | 120 | 80 | 10 | 20 | 90 | 15 | 2 | 1 | 2 | 2 | .2 | 2 | 10 |
| 2N1724A | TO-61 | 180 | 120 | 10 | 30 | 90 | 15 | 2 | .6 | 1.2 | 2 | .2 | 1.5 | 10 |
| 2N1725 | TO-61 | 120 | 80 | 10 | 50 | 150 | 15 | 2 | 1 | 2 | 2 | .2 | 1.5 | 10 |
| 2N2811 | TO-61 | 80 | 60 | 8 | 20 | 60 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| 2N2812 | TO-61 | 80 | 60 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JAN 2N2812 | TO-61 | 80 | 60 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JTX 2N2812 | TO-61 | 80 | 60 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JTXV 2N2812 | TO-61 | 80 | 60 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| 2N2813 | TO-61 | 120 | 80 | 8 | 20 | 60 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| 2N2814 | TO-61 | 120 | 80 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JAN 2N2814 | TO-61 | 120 | 80 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JTX 2N2814 | TO-61 | 120 | 80 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| JTXV 2N2814 | TO-61 | 120 | 80 | 8 | 40 | 120 | 5 | 5 | .5 | 1.2 | 5 | .5 | 2 | 30 |
| 2N3442 | TO-3 | 160 | 140 | 7 | 20 | 70 | 4 | 3 | 1 | 1.7 | 3 | .3 | 1.5 | .8 |
| JAN * 2N3442 | TO-3 | 160 | 140 | 7 | 20 | 70 | 4 | 3 | 1 | 1.7 | 3 | .3 | 1.5 | .8 |
| 2N3445 | TO-3 | 80 | 60 | 6 | 20 | 60 | 5 | 3 | 1.5 | 1.5 | 3 | .3 | 1.5 | 60 |
| 2N3446 | TO-3 | 100 | 80 | 10 | 20 | 60 | 5 | 3 | 1.5 | 1.5 | 3 | .3 | 1.5 | 60 |
| 2N3447 | TO-3 | 80 | 60 | 6 | 40 | 120 | 5 | 5 | 1.5 | 1.5 | 5 | .5 | 1.5 | 60 |
| 2N3448 | TO-3 | 100 | 80 | 10 | 40 | 120 | 5 | 5 | 1.5 | 1.5 | 5 | .5 | 1.5 | 60 |
| 2N3487 | TO-61 | 80 | 60 | 10 | 20 | 60 | 5 | 3 | 1.2 | 1.5 | 3 | .3 | 1.5 | 30 |
| 2N3488 | TO-61 | 100 | 80 | 10 | 20 | 60 | 5 | 3 | 1.2 | 1.5 | 3 | .3 | 1.5 | 30 |
| 2N3489 | TO-61 | 120 | 100 | 10 | 15 | 45 | 5 | 3 | 1.2 | 1.5 | 3 | .3 | 1.5 | 30 |
| 2N3490 | TO-61 | 80 | 60 | 10 | 40 | 120 | 5 | 5 | 1.5 | 1.5 | 5 | .5 | 1.5 | 30 |
| 2N3491 | TO-61 | 100 | 80 | 10 | 40 | 120 | 5 | 5 | 1.5 | 1.5 | 5 | .5 | 1.5 | 30 |
| 2N3492 | TO-61 | 120 | 100 | 10 | 30 | 90 | 5 | 5 | 1.5 | 1.5 | 5 | .5 | 1.5 | 30 |
| 2N3628 | TO-5 | 75 | 40 | 4 | 30 | | 10 | 5 | 1.5 | 1.8 | 5 | .5 | 2.5 | 60 |
| 2N3629 | STUD | | | | | | | | | | | | | |
| 2N3629 | TO-61 | 75 | 40 | 4 | 40 | | 10 | 5 | 1.5 | 1.8 | 5 | .5 | 2 | 60 |
| 2N3630 | TO-61 | 75 | 40 | 4 | 40 | | 10 | 5 | 1.5 | 1.8 | 5 | .5 | 2 | 60 |
| 2N3919 | TO-3 | 120 | 60 | 6 | 40 | 120 | 2 | 2 | 1.2 | 1.8 | 10 | 1 | 1.2 | 80 |

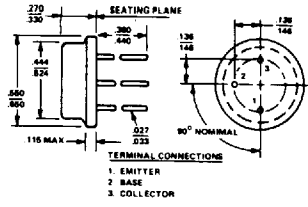
* (JTX & JTXV)

PHYSICAL DIMENSIONS - PACKAGES

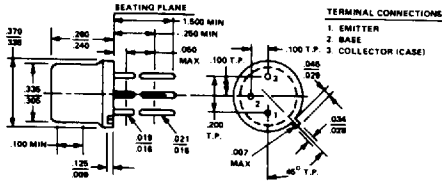
TO-46



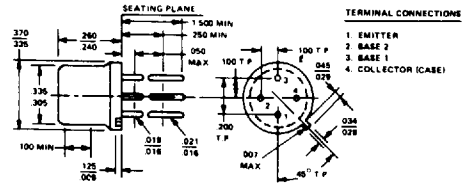
TO-8



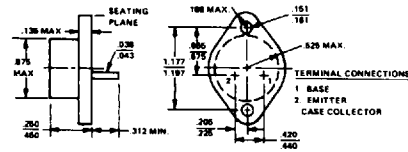
TO-5



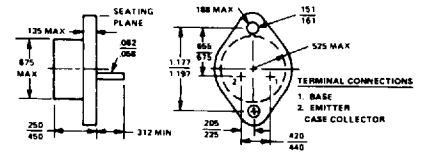
TO-33



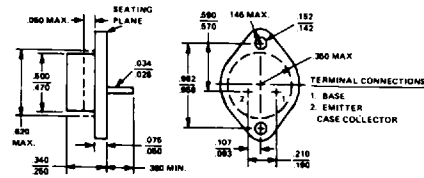
TO-3



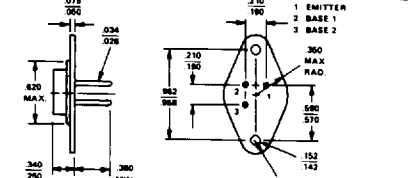
TO-3 (60 mil pins)



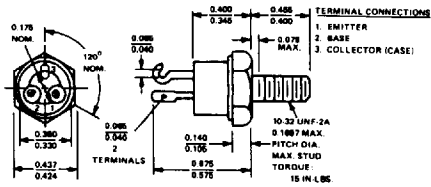
TO-66



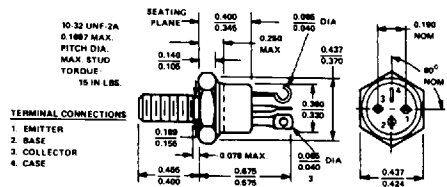
3 PIN TO-66



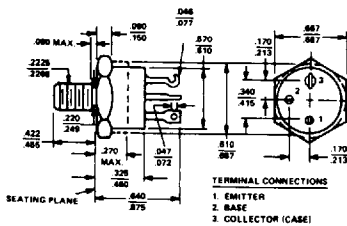
TO-111



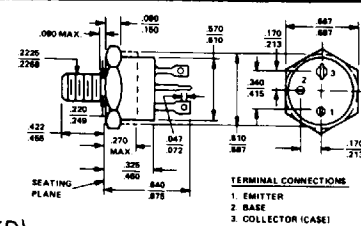
TO-111 (ISOLATED)



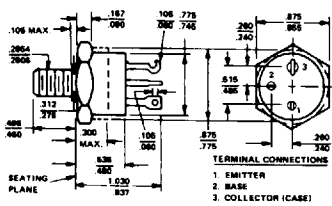
TO-61



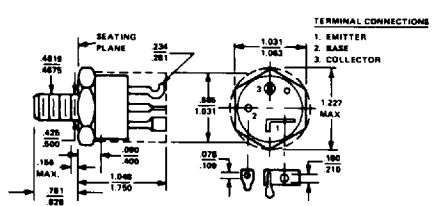
TO-61 (ISOLATED)



TO-63



TO-114



ALL DIMENSIONS IN INCHES