

Power Transistors

TO-237 Case



| TYPE NO. | | I _C (A) MAX | P _D (W) | BV _{CBO} (V) MIN | BV _{CEO} *BV _{CES} (V) MIN | h _{FE} | | @ I _C (A) | V _{CE(SAT)} @ I _C | | f _T (MHz) MIN |
|----------|---------|------------------------------|-----------------------|---------------------------------|---|-----------------|--------|-------------------------|---------------------------------------|-------|--------------------------------|
| NPN | PNP | | | | | MIN | MAX | | (V) MAX | (A) | |
| 2N6714 | 2N6726 | 2.0 | 2.0 | 40 | 30 | 50 | 250 | 1,000 | 0.5 | 1,000 | 50 |
| 2N6715 | 2N6727 | 2.0 | 2.0 | 50 | 40 | 50 | 250 | 1,000 | 0.5 | 1,000 | 50 |
| 2N6716 | 2N6728 | 2.0 | 2.0 | 60 | 60 | 50 | 250 | 250 | 0.35 | 250 | 50 |
| 2N6717 | 2N6729 | 2.0 | 2.0 | 80 | 80 | 50 | 250 | 250 | 0.35 | 250 | 50 |
| 2N6718 | 2N6730 | 2.0 | 2.0 | 100 | 100 | 50 | 250 | 250 | 0.35 | 250 | 50 |
| 2N6719 | | 0.5 | 2.0 | 300 | 300 | 40 | 200 | 30 | -- | -- | 30 |
| 2N6720 | | 1.0 | 2.0 | 175 | 150 | 10 | 50 | 500 | 0.5 | 100 | 30 |
| 2N6721 | | 1.0 | 2.0 | 225 | 200 | 10 | 50 | 500 | 0.5 | 100 | 30 |
| 2N6722 | | 1.0 | 2.0 | 275 | 250 | 10 | 50 | 500 | 0.5 | 100 | 30 |
| 2N6723 | | 1.0 | 2.0 | 325 | 300 | 10 | 50 | 500 | 0.5 | 100 | 30 |
| 2N6724 | | 1.5 | 2.0 | 50 | 40 | 4,000 | 40,000 | 1,000 | 1.0 | 200 | 1.0 |
| 2N6725 | | 1.5 | 2.0 | 60 | 50 | 4,000 | 40,000 | 1,000 | 1.0 | 200 | 1.0 |
| 2N6731 | 2N6732 | 1.0 | 2.0 | 100 | 80 | 100 | 300 | 350 | 0.35 | 350 | 50 |
| 2N6733 | | 0.5 | 2.0 | 200 | 200 | 40 | 200 | 10 | 2.0 | 20 | 50 |
| 2N6734 | | 0.5 | 2.0 | 250 | 250 | 40 | 200 | 10 | 2.0 | 20 | 50 |
| 2N6735 | | 0.5 | 2.0 | 300 | 300 | 40 | 200 | 10 | 2.0 | 20 | 50 |
| 2N6737** | | 1.5 | 2.0 | 80 | 45 | 35 | -- | 500 | 0.52 | 500 | 300 |
| CENW01 | CENW51 | 1.0 | 2.5 | 40 | 30 | 60 | -- | 100 | 0.7 | 1,000 | 50 |
| CENW01A | CENW51A | 1.0 | 2.5 | 50 | 40 | 60 | -- | 100 | 0.7 | 1,000 | 50 |
| CENW05 | CENW55 | 0.5 | 2.5 | 60 | 60 | 80 | -- | 50 | 0.5 | 250 | 50 |
| CENW06 | CENW56 | 0.5 | 2.5 | 80 | 80 | 80 | -- | 50 | 0.5 | 250 | 50 |
| CENW07 | CENW57 | 0.5 | 2.5 | 100 | 100 | 80 | -- | 50 | 0.5 | 250 | 50 |
| CENW10 | CENW60 | 0.5 | 2.5 | 300 | 300 | 25 | -- | 30 | 0.75 | 20 | 50 |
| CENW13 | CENW63 | 1.0 | 2.5 | 30 | 30* | 10,000 | -- | 100 | 1.5 | 100 | 125 |
| CENW14 | CENW64 | 1.0 | 2.5 | 30 | 30* | 20,000 | -- | 100 | 1.5 | 100 | 125 |
| CENW42 | CENW92 | 0.5 | 2.5 | 300 | 300 | 40 | -- | 10 | 0.5 | 20 | 50 |
| TN2102 | | 1.0 | 2.0 | 120 | 65 | 40 | 120 | 150 | 0.5 | 150 | 60 |
| TN2219A | | 0.8 | 2.0 | 75 | 40 | 100 | 300 | 150 | 1.6 | 500 | 300 |
| TN2905A | | 0.8 | 2.0 | 60 | 60 | 100 | 300 | 150 | 1.6 | 500 | 200 |
| TN3019 | | 1.0 | 2.0 | 140 | 80 | 100 | 300 | 150 | 0.5 | 500 | 100 |
| TN3020 | | 1.0 | 2.0 | 140 | 80 | 40 | 120 | 150 | 0.5 | 500 | 80 |
| TN3053 | | 1.0 | 2.0 | 60 | 40 | 50 | 250 | 150 | 1.4 | 150 | 100 |
| TN3724** | | 1.5 | 2.0 | 50 | 30 | 35 | -- | 500 | 0.42 | 500 | 300 |
| TN3725** | | 1.5 | 2.0 | 80 | 50 | 35 | -- | 500 | 0.52 | 500 | 300 |

** Not recommended for new designs.
Shaded areas indicate Darlington.



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