

Small Signal Transistors

TO-18 Case (Continued)



| TYPE NO. | DESCRIPTION | V_{CB0} | V_{CE0} | V_{EBO} | I_{CBO} @ I_{CES} I_{ICEV} | V_{CB} (V) | h_{FE} | | @ I_C (mA) | @ V_{CE} (V) | $V_{CE(SAT)}$ @ I_C | | C_{OB} (pF) MAX | f_T (MHz) MIN | NF (dB) MAX | t_{on} (ns) MAX | t_{off} (ns) MAX |
|----------|------------------|------------|------------|------------|--|-----------------|-------------------|------|-----------------|-------------------|-----------------------|------------|-------------------------|-----------------------|-------------------|-------------------------|--------------------------|
| | | (V) MIN | (V) MIN | (V) MIN | | | (μ A) MAX | MIN | | | MAX | (V) MAX | | | | | |
| 2N5183 | NPN AMPL/SWITCH | 18 | 18 | 7.0 | 0.5 | 12 | 75 | 400 | 10 | 10 | 0.5 | 300 | 20 | 125 | -- | -- | -- |
| 2N6430 | NPN HIGH VOLTAGE | 200 | 200 | 6.0 | 0.1 | 160 | 50 | 200 | 30 | 10 | 0.5 | 20 | 4.0 | 50 | -- | -- | -- |
| 2N6431 | NPN HIGH VOLTAGE | 300 | 300 | 6.0 | 0.1 | 200 | 50 | 200 | 30 | 10 | 0.5 | 20 | 4.0 | 50 | -- | -- | -- |
| 2N6432 | PNP HIGH VOLTAGE | 200 | 200 | 5.0 | 0.25 | 160 | 30 | 150 | 30 | 10 | 0.5 | 20 | 6.0 | 50 | -- | -- | -- |
| 2N6433 | PNP HIGH VOLTAGE | 300 | 300 | 5.0 | 0.25 | 200 | 30 | 150 | 30 | 10 | 0.5 | 20 | 6.0 | 50 | -- | -- | -- |
| BC110 | NPN AMPL/SWITCH | 80 | 80 | 8.0 | 0.1 | 80 | 30 | -- | 2.0 | 5.0 | 0.6 | 50 | 5.0 | 50 | -- | -- | -- |
| BC187 | PNP AMPL/SWITCH | 30 | 25 | 5.0 | 0.1 | 30 | 140 | -- | 2.0 | 5.0 | -- | -- | -- | -- | -- | -- | -- |
| BC393 | PNP AMPL/SWITCH | 180 | 180 | 6.0 | 0.05 | 100 | 50 | 100 | 10 | 10 | 0.3 | 10 | 7.0 | 5.0 | -- | 100 | 400 |
| BC394 | NPN AMPL/SWITCH | 180 | 180 | 6.0 | 0.05 | 100 | 50 | 100 | 10 | 10 | 0.3 | 10 | 7.0 | 5.0 | -- | 100 | 400 |
| BC477 | PNP AMPL/SWITCH | 90 | 80 | 6.0 | 0.01* | 70 | 70 | 250 | 2.0 | 5.0 | 0.25 | 10 | 6.0 | 150 | 10 | -- | -- |
| BCX22 | NPN AMPL/SWITCH | 125 | 125 | 5.0 | 0.1* | 100 | 40 | -- | 200 | 1.0 | 0.9 | 300 | 12 | 50 | -- | -- | -- |
| BCX23 | PNP AMPL/SWITCH | 125 | 125 | 5.0 | 0.1* | 100 | 40 | -- | 200 | 1.0 | 0.9 | 300 | 12 | 50 | -- | -- | -- |
| BCX24 | NPN AMPL/SWITCH | 100 | 100 | 7.0 | 0.03* | 0.03* | 20 | -- | 10 | 1.0 | 0.9 | 300 | 12 | 30 | -- | -- | -- |
| BCX39 | PNP AMPL/SWITCH | 100 | 100 | 5.0 | 0.1* | 100 | 40 | -- | 200 | 1.0 | 0.9 | 300 | 12 | 50 | -- | -- | -- |
| BCX94 | NPN AMPL/SWITCH | 100 | 100 | 5.0 | 100* | 100 | 63 | -- | 100 | 1.0 | 0.9 | 300 | 8.0 | 50 | -- | -- | -- |
| BCY70 | PNP AMPL/SWITCH | 50 | 40 | 5.0 | 0.5 | 50 | 15 | -- | 50 | 1.0 | 0.25 | 10 | 6.0 | 250 | 6.0 | 65 | 420 |
| BCY71 | PNP AMPL/SWITCH | 45 | 45 | 5.0 | 0.5 | 45 | 100 | 600 | 10 | 1.0 | 0.25 | 10 | 6.0 | 250 | 2.0 | -- | -- |
| BCY79 | PNP AMPL/SWITCH | 45 | 45 | 5.0 | 0.1* | 45 | 80 | 1.0K | 10 | 1.0 | 0.25 | 10 | 7.0 | 180 | 6.0 | 150 | 800 |
| BFR16 | NPN LOW NOISE | 60 | 60 | 8.0 | 0.01* | 50 | 150 | 490 | 1.0 | 5.0 | 5.0 | 10 | 6.0 | 70 | 4.0 | -- | -- |
| BFW68 | NPN AMPL/SWITCH | 50 | 40 | 5.0 | 0.01 | 30 | 45 | -- | 1.0 | 10 | 0.15 | 10 | 4.0 | 250 | 6.0 | 30 | 240 |
| BFX65 | PNP AMPL/SWITCH | 45 | 45 | 6.0 | 0.01* | 40 | 100 | -- | 1.0 | 5.0 | 0.25 | 10 | 6.5 | 100 | 3.0 | -- | -- |
| BFY18 | NPN AMPL/SWITCH | 40 | 25 | 3.0 | 0.01 | 20 | 25 | -- | 10 | 9.0 | 1.5 | 10 | 5.5 | 200 | -- | -- | -- |
| BFY74 | NPN AMPL/SWITCH | 60 | 45 | 5.0 | 0.01 | 45 | 40 | 180 | 10 | 5.0 | 1.0 | 10 | 4.0 | 250 | -- | -- | -- |
| BFY76 | NPN LOW NOISE | 60 | 60 | 8.0 | 0.02* | 50 | 150 | 300 | 1.0 | 5.0 | 0.35 | 1.0 | 6.0 | 70 | 4.0 | -- | -- |
| BSV68 | PNP AMPL/SWITCH | 110 | 100 | 6.0 | 10 | 110 | 30 | -- | 10 | 5.0 | 0.25 | 25 | 5.0 | 50 | -- | -- | -- |
| BSX19 | NPN AMPL/SWITCH | 40 | 15 | -- | 0.4 | 20 | 20 | 60 | 10 | 1.0 | 0.25 | 10 | 4.0 | 400 | -- | 12 | 15 |
| BSX20 | NPN AMPL/SWITCH | 40 | 15 | 4.5 | 0.4 | 20 | 40 | 120 | 10 | 1.0 | 0.25 | 10 | 4.0 | 500 | -- | 12 | 18 |
| BSX21 | NPN AMPL/SWITCH | 120 | 80 | 5.0 | 0.2 | 90 | 20 | -- | 4.0 | 1.0 | 0.70 | 4.0 | 4.5 | 60 | -- | -- | -- |
| BSX36 | PNP AMPL/SWITCH | 40 | 40 | 5.0 | 0.015 | 25 | 40 | -- | 10 | 10 | 1.8 | 500 | 8.0 | 100 | -- | 40 | 100 |
| BSX49 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | 0.07 | 50 | 25 | -- | 100 | 1.0 | 1.0 | 500 | 6.0 | 250 | -- | 50 | 95 |
| BSX79 | NPN AMPL/SWITCH | 50 | 45 | 5.0 | 0.01 | 25 | 100 | 750 | 10 | 1.0 | 0.2 | 10 | 5.0 | 200 | -- | 150 | 800 |
| BSY18 | NPN AMPL/SWITCH | 20 | 12 | 5.0 | 1.0 | 20 | 40 | 120 | 10 | 0.35 | 0.28 | 10 | 5.0 | 280 | -- | 16 | 24 |
| BSY62 | NPN AMPL/SWITCH | 25 | 15 | 5.0 | 0.5 | 15 | 20 | 300 | 10 | 1.0 | 0.6 | 10 | 5.0 | 280 | -- | 40 | 75 |
| BSY79 | NPN AMPL/SWITCH | 120 | -- | 5.0 | 0.05 | 90 | 30 | -- | 1.0 | 1.0 | 0.5 | 2.0 | 4.0 | 50 | -- | -- | -- |
| BSY95A | NPN AMPL/SWITCH | 20 | 15 | 5.0 | 0.05 | 16 | 50 | 200 | 10 | 0.35 | 0.35 | 10 | 6.0 | 200 | -- | -- | -- |
| MM4257 | PNP FAST SWITCH | 6.0 | 6.0 | 4.5 | 0.01* | 6.0 | 30 | 120 | 10 | 0.3 | 0.15 | 10 | 3.0 | 500 | -- | 25 | 25 |
| MM4258 | PNP FAST SWITCH | 12 | 12 | 4.5 | 0.01* | 6.0 | 30 | 120 | 10 | 0.3 | 0.15 | 10 | 3.0 | 700 | -- | 25 | 30 |