

Small Signal Transistors

TO-92 Case (Continued)



| TYPE NO. | DESCRIPTION | LEAD CODE | V _{CBO} | V _{CEO} | V _{EBO} | I _{CBO} @ | V _{CB} | h _{FE} | | @ V _{CE} | @ I _C | V _{CE(SAT)} @ I _C | | C _{ob} | f _T | NF | t _{off} |
|----------|------------------|-----------|------------------|--------------------------|------------------|---|-----------------|-----------------|-----|----------------------------|------------------|---------------------------------------|------|-----------------|------------------------|-------------|------------------|
| | | | (V) | (V) | (V) | (nA) | (V) | MIN | MAX | (V) | (mA) | (V) | (mA) | (pF) | (MHz) | (dB) | |
| | | | MIN | *V _{CES} MIN | MAX | *I _{CES} *I _{CEV} MAX | | | | *h _{FE} (1kHz) | | | | | C _{rb} MAX | *TYP MIN | MAX |
| MPSA25 | NPN DARLINGTON | EBC | 40 | 40* | 10 | 100 | 30 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | 125 | -- | -- | -- |
| MPSA26 | NPN DARLINGTON | EBC | 50 | 50* | 10 | 100 | 40 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | 125 | -- | -- | -- |
| MPSA27 | NPN DARLINGTON | EBC | 60 | 50* | 10 | 100 | 50 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | 125 | -- | -- | -- |
| MPSA28 | NPN DARLINGTON | EBC | 80 | 80* | 12 | 100 | 60 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | 8.0 | 125 | -- | -- |
| MPSA29 | NPN DARLINGTON | EBC | 100 | 100 | 12 | 100 | 80 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | 8.0 | 125 | -- | -- |
| MPSA42 | NPN HIGH VOLTAGE | EBC | 300 | 300 | 6.0 | 100 | 200 | 40 | -- | 10 | 30 | 0.50 | 20 | 3.0 | 50 | -- | -- |
| MPSA44 | NPN HIGH VOLTAGE | EBC | 500 | 400 | 6.0 | 100 | 400 | 50 | 200 | 10 | 10 | 0.75 | 50 | 6.0 | 20 | -- | -- |
| MPSA45 | NPN HIGH VOLTAGE | EBC | 400 | 350 | 6.0 | 100 | 320 | 50 | 200 | 10 | 10 | 0.75 | 50 | 6.0 | 20 | -- | -- |
| MPSA55 | PNP AMPL/SWITCH | EBC | 60 | 60 | 4.0 | 100 | 60 | 50 | -- | 1.0 | 100 | 0.25 | 100 | -- | 50 | -- | -- |
| MPSA56 | PNP AMPL/SWITCH | EBC | 80 | 80 | 4.0 | 100 | 80 | 50 | -- | 1.0 | 100 | 0.25 | 100 | -- | 50 | -- | -- |
| MPSA62 | PNP DARLINGTON | EBC | 20 | 20* | 10 | 100 | 15 | 20,000 | -- | 5.0 | 10 | 1.0 | 10 | -- | 125 | -- | -- |
| MPSA63 | PNP DARLINGTON | EBC | 30 | 30* | 10 | 100 | 30 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 125 | -- | -- |
| MPSA64 | PNP DARLINGTON | EBC | 30 | 30* | 10 | 100 | 30 | 20,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 125 | -- | -- |
| MPSA65 | PNP DARLINGTON | EBC | 30 | 30* | 8.0 | 100 | 30 | 20,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 100 | -- | -- |
| MPSA66 | PNP DARLINGTON | EBC | 30 | 30* | 8.0 | 100 | 30 | 40,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 100 | -- | -- |
| MPSA70 | PNP LOW NOISE | EBC | -- | 40 | 4.0 | 100 | 30 | 40 | 400 | 10 | 5.0 | 0.25 | 10 | 4.0 | 125 | -- | -- |
| MPSA75 | PNP DARLINGTON | EBC | 40 | 40* | 10 | 100 | 30 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 125 | -- | -- |
| MPSA76 | PNP DARLINGTON | EBC | 50 | 50* | 10 | 100 | 40 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 125 | -- | -- |
| MPSA77 | PNP DARLINGTON | EBC | 60 | 60* | 10 | 100 | 50 | 10,000 | -- | 5.0 | 100 | 1.50 | 100 | -- | 125 | -- | -- |
| MPSA92 | PNP HIGH VOLTAGE | EBC | 300 | 300 | 5.0 | 250 | 200 | 25 | -- | 10 | 30 | 0.5 | 20 | 6.0 | 50 | -- | -- |
| MPSA94 | PNP HIGH VOLTAGE | EBC | 500 | 400 | 6.0 | 100 | 400 | 50 | 200 | 10 | 10 | 0.75 | 50 | 6.0 | 20 | -- | -- |
| MPSD04 | NPN DARLINGTON | EBC | -- | 25* | 10 | 1,000 | 20 | 1,000 | -- | 5.0 | 300 | 1.0 | 100 | -- | 100 | -- | -- |
| MPSD54 | PNP DARLINGTON | EBC | -- | 25* | 10 | 1,000 | 20 | 1,000 | -- | 5.0 | 100 | 1.0 | 100 | -- | 100 | -- | -- |
| MPSH10 | NPN RF OSC | BEC | 30 | 25 | 3.0 | 100 | 25 | 60 | -- | 10 | 4.0 | 0.50 | 4.0 | 0.65* | 650 | -- | -- |
| MPSH11 | NPN RF OSC | BEC | 30 | 25 | 3.0 | 100 | 25 | 60 | -- | 10 | 4.0 | 0.50 | 4.0 | 0.90* | 650 | -- | -- |
| MPSL01 | NPN HIGH VOLTAGE | EBC | 140 | 120 | 5.0 | 1,000 | 75 | 50 | 300 | 5.0 | 10 | 0.30 | 50 | 8.0 | 60 | -- | -- |
| MPSL51 | PNP HIGH VOLTAGE | EBC | 100 | 100 | 4.0 | 1,000 | 50 | 40 | 250 | 5.0 | 50 | 0.30 | 50 | 8.0 | 60 | -- | -- |
| PN918 | NPN RF OSC | EBC | 30 | 15 | 3.0 | 10 | 15 | 20 | -- | 1.0 | 3.0 | 0.40 | 10 | 1.7 | 600 | 6.0 | -- |
| PN2222A | NPN AMPL/SWITCH | EBC | 75 | 40 | 6.0 | 10 | 60 | 100 | 300 | 10 | 150 | 1.0 | 500 | 8.0 | 300 | 4.0 | 285 |
| PN2369A | NPN SAT SWITCH | EBC | 40 | 15 | 4.5 | 400 | 20 | 40 | 120 | 0.35 | 10 | 0.50 | 100 | 4.0 | 500 | -- | 18 |
| PN2484 | NPN LOW NOISE | EBC | 60 | 60 | 6.0 | 10 | 45 | 250 | -- | 5.0 | 1.0 | 0.30 | 1.0 | 6.0 | -- | 3.0 | -- |
| PN2907A | PNP AMPL/SWITCH | EBC | 60 | 60 | 5.0 | 10 | 50 | 100 | 300 | 10 | 150 | 1.60 | 500 | 8.0 | 200 | -- | 100 |
| PN3563 | NPN RF OSC | EBC | 30 | 12 | 2.0 | 50 | 15 | 20 | 200 | 10 | 8.0 | -- | -- | 1.7 | 600 | -- | -- |
| PN3564 | NPN RF OSC | EBC | 30 | 15 | 4.0 | 50 | 15 | 20 | 200 | 10 | 15 | 0.30 | 20 | 3.5 | 400 | -- | -- |
| PN3565 | NPN LOW NOISE | EBC | 30 | 25 | 6.0 | 50 | 25 | 150 | 600 | 10 | 1.0 | 0.35 | 1.0 | 4.0 | 40 | -- | -- |
| PN3566 | NPN AMPL/SWITCH | EBC | 40 | 30 | 5.0 | 50 | 20 | 150 | 600 | 10 | 10 | 1.0 | 100 | 25 | 40 | -- | -- |
| PN3567 | NPN AMPL/SWITCH | EBC | 80 | 40 | 5.0 | 50 | 40 | 40 | 120 | 1.0 | 150 | 0.25 | 150 | 20 | 60 | -- | -- |
| PN3568 | NPN AMPL/SWITCH | EBC | 80 | 60 | 5.0 | 50 | 40 | 40 | 120 | 1.0 | 150 | 0.25 | 150 | 20 | 60 | -- | -- |
| PN3569 | NPN AMPL/SWITCH | EBC | 80 | 40 | 5.0 | 50 | 40 | 100 | 300 | 1.0 | 150 | 0.25 | 150 | 20 | 60 | -- | -- |
| PN3638A | PNP AMPL/SWITCH | EBC | 25 | 25 | 4.0 | 35* | 15 | 100 | -- | 1.0 | 50 | 1.0 | 300 | 10 | 150 | -- | 170 |
| PN3639 | PNP SAT SWITCH | EBC | 6.0 | 6.0 | 4.0 | 10* | 3.0 | 30 | 120 | 0.30 | 10 | 0.50 | 50 | 3.5 | 500 | -- | 60 |
| PN3640 | PNP SAT SWITCH | EBC | 12 | 12 | 4.0 | 10* | 6.0 | 30 | 120 | 0.30 | 10 | 0.60 | 50 | 3.5 | 500 | -- | 75 |