# PNP TRANSISTORS

## *TO-92/TO-226AA*

## '2N' and 'TP' DEVICE TYPES
## ELECTRICAL CHARACTERISTICS at $T_A$ = 25°C

| | | | | | $I_{CBO}$ | | DC Current Gain | | | | $V_{CE(sat)}$ | | $f_T$ | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Device Type | $I_C$ Max. (mA) | $V_{(BR)CBO}$ (V) | $V_{(BR)CEO}$ (V) | $V_{(BR)EBO}$ (V) | Max. (nA) | @ $V_{CB}$ (V) | $h_{FE}$ Min. | $h_{FE}$ Max. | @ $I_C$ (mA) | @ $V_{CE}$ (V) | Max. (V) | @ $I_C$ (mA) | Min. (MHz) | @ $I_C$ (mA) | $C_{ob}$[1] (pF) | $t_s$[1] (ns) | NF[1] (dB) | Pinning 1, 2, 3 |
| TP2907A | 500 | 60 | 60 | 5.0 | 10 | 50 | 100 | 300 | 150 | 10 | 0.4 | 150 | 200 | 50 | 8.0 | 100 | — | EBC |
| 2N3906 | 200 | 40 | 40 | 5.0 | — | — | 100 | 300 | 10 | 1.0 | 0.25 | 10 | 250 | 10 | 4.5 | 225 | 4.0 | EBC |
| 2N4403 | 500 | 40 | 40 | 5.0 | — | — | 100 | 300 | 150 | 2.0 | 0.4 | 150 | 200 | 20 | 10 | 225 | — | EBC |
| 2N5401 | 300 | 160 | 150 | 5.0 | 50 | 120 | 60 | 240 | 10 | 5.0 | 0.2 | 10 | 100 | 10 | 6.0 | — | 8.0 | EBC |
| MPSA56 | 800 | 80 | 80 | 4.0 | 100 | 80 | 50 | — | 100 | 1.0 | 0.25 | 100 | 50 | 100 | — | — | — | EBC |

NOTES: 1) Maximum at typical JEDEC conditions.
2) $V_{(BR)CES}$