

Small Signal Transistors

TO-18 Case



| TYPE NO. | DESCRIPTION | BV _{CBO} | BV _{CEO} | BV _{EBO} | I _{CBO} @ (mA) MAX *ICES **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 | | | MIN | MAX | | | (V) MAX | (mA) MAX | | | | | |
| 2N703 | NPN AMPL/SWITCH | 25 | 25 | 5.0 | -- | -- | 40 | 100 | 10 | 10 | 0.5 | 10 | 5.0 | 70 | -- | -- | -- |
| 2N706C | NPN SAT SWITCH | 40 | 15 | 5.0 | 0.5 | 15 | 20 | 60 | 10 | 5.0 | 0.3 | 30 | 5.0 | 200 | -- | 40 | 75 |
| 2N708 | NPN SAT SWITCH | 40 | 15 | 5.0 | 0.025 | 20 | 30 | 120 | 10 | 1.0 | 0.4 | 10 | 6.0 | 400 | -- | 40 | 70 |
| 2N709A | NPN SAT SWITCH | 15 | 6.0 | 4.0 | 0.005 | 5.0 | 30 | 90 | 10 | 0.5 | 0.3 | 3.0 | 3.0 | 900 | -- | 15 | 15 |
| 2N717 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | -- | -- | 20 | 60 | 150 | 10 | 1.5 | 150 | 35 | 40 | -- | -- | -- |
| 2N718A | NPN AMPL/SWITCH | 75 | 32 | 7.0 | 0.01 | 60 | 40 | 120 | 150 | 10 | 1.5 | 150 | 25 | 60 | -- | -- | -- |
| 2N719A | NPN AMPL/SWITCH | 120 | 60 | 7.0 | 0.01 | 75 | 20 | 60 | 150 | 10 | 5.0 | 150 | 15 | 40 | -- | -- | -- |
| 2N720A | NPN AMPL/SWITCH | 120 | 80 | 7.0 | 0.01 | 90 | 40 | 120 | 150 | 10 | 5.0 | 150 | 15 | 50 | -- | -- | -- |
| 2N721 | PNP AMPL/SWITCH | 50 | 35 | 5.0 | 1.0 | 30 | 20 | 45 | 150 | 10 | 1.5 | 150 | 45 | 50 | -- | -- | -- |
| 2N722A | PNP AMPL/SWITCH | 50 | 35 | 5.0 | 0.10 | 30 | 30 | 90 | 150 | 10 | 1.5 | 150 | 45 | 60 | -- | -- | -- |
| 2N726 | PNP AMPL/SWITCH | 25 | 20 | 5.0 | 1.0 | 25 | 15 | 45 | 10 | 1.0 | 0.6 | 10 | 5.0 | 140 | -- | -- | -- |
| 2N727 | PNP AMPL/SWITCH | 25 | 20 | 5.0 | 1.0 | 25 | 30 | 120 | 10 | 1.0 | 0.6 | 10 | 5.0 | 140 | -- | -- | -- |
| 2N730 | NPN AMPL/SWITCH | 60 | 35 | 5.0 | -- | -- | 20 | 60 | 150 | 10 | 1.5 | 150 | 35 | 40 | -- | -- | -- |
| 2N731 | NPN AMPL/SWITCH | 60 | 35 | 5.0 | -- | -- | 40 | 120 | 150 | 10 | 1.5 | 150 | 35 | 50 | -- | -- | -- |
| 2N743A | NPN SAT SWITCH | 40 | 15 | 5.0 | -- | -- | 20 | 60 | 10 | 5.0 | 0.6 | 100 | 4.0 | 500 | -- | 12 | 15 |
| 2N744A | NPN SAT SWITCH | 40 | 15 | 5.0 | -- | -- | 40 | 120 | 10 | 5.0 | 0.6 | 100 | 4.0 | 500 | -- | 12 | 15 |
| 2N753 | NPN SAT SWITCH | 25 | 20 | 5.0 | 0.05 | 15 | 40 | 120 | 10 | 1.0 | 0.6 | 10 | 5.0 | 200 | -- | 40 | 75 |
| 2N760A | NPN LOW NOISE | 60 | 60 | 8.0 | 0.10 | 30 | 76 | 333 | 1.0 | 5.0 | 1.0 | 10 | 8.0 | 50 | -- | -- | -- |
| 2N783 | NPN SAT SWITCH | 40 | 15 | 5.0 | 0.25 | 25 | 20 | 60 | 10 | 1.0 | 0.25 | 10 | 3.5 | 200 | -- | 16 | 30 |
| 2N784A | NPN SAT SWITCH | 40 | 15 | 5.0 | -- | -- | 25 | 150 | 10 | 5.0 | 0.19 | 10 | 3.5 | 300 | -- | 20 | 40 |
| 2N834A | NPN SAT SWITCH | 40 | -- | 5.0 | 0.50 | 20 | 25 | -- | 10 | 1.0 | 0.25 | 10 | 4.0 | 500 | -- | 33 | 75 |
| 2N835 | NPN SAT SWITCH | 25 | 20 | 5.0 | 0.50 | 20 | 20 | -- | 10 | 1.0 | 0.3 | 10 | 4.0 | 300 | -- | 20 | 35 |
| 2N864 | PNP AMPL/SWITCH | 6.0 | 6.0 | 6.0 | 0.10 | 10 | 25 | 125 | 1.0 | 6.0 | 0.1 | 5.0 | 9.0 | -- | -- | -- | -- |
| 2N865 | PNP AMPL/SWITCH | 10 | 6.0 | 6.0 | 0.10 | 10 | 100 | 350 | 1.0 | 6.0 | 0.1 | 5.0 | 9.0 | -- | -- | -- | -- |
| 2N869A | PNP AMPL/SWITCH | 25 | 18 | 5.0 | 0.01 | 15 | 40 | 120 | 10 | 5.0 | 0.15 | 10 | 6.0 | 400 | -- | -- | -- |
| 2N870 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.01 | 75 | 20 | 120 | 150 | 10 | 5.0 | 150 | 15 | 50 | -- | -- | -- |
| 2N871 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.01 | 75 | 100 | 300 | 150 | 10 | 5.0 | 150 | 15 | 60 | -- | -- | -- |
| 2N909 | NPN AMPL SWITCH | 30 | 25 | 5.0 | -- | -- | 110 | 350 | 50 | 10 | 2.0 | 50 | 25 | 50 | -- | -- | -- |
| 2N910 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.025 | 75 | 75 | -- | 10 | 10 | 1.2 | 50 | 15 | 60 | -- | -- | -- |
| 2N911 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.025 | 75 | 35 | -- | 10 | 10 | 1.2 | 50 | 15 | 50 | -- | -- | -- |
| 2N912 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.025 | 75 | 15 | -- | 10 | 10 | 1.2 | 50 | 15 | 40 | -- | -- | -- |
| 2N914 | NPN SAT SWITCH | 40 | 15 | 5.0 | 0.025 | 20 | 30 | 120 | 10 | 1.0 | 0.7 | 200 | 6.0 | 60 | -- | 40 | 40 |
| 2N915 | NPN RF/IF OSC | 70 | 50 | 5.0 | -- | -- | 50 | 200 | 10 | 10 | -- | -- | 3.5 | 250 | -- | -- | -- |
| 2N916 | NPN RF/IF OSC | 45 | 45 | 5.0 | -- | -- | 50 | 200 | 10 | 10 | -- | -- | 6.0 | 300 | -- | -- | -- |
| 2N929A | NPN LOW NOISE | 60 | 45 | 6.0 | 0.02 | 45 | 40 | 120 | 0.01 | 5.0 | 0.5 | 10 | 6.0 | 45 | 4.0 | -- | -- |
| 2N930B | NPN LOW NOISE | 60 | 45 | 6.0 | 0.20 | 45 | 100 | 300 | 0.01 | 5.0 | 0.5 | 10 | 6.0 | 45 | 3.0 | -- | -- |
| 2N947 | NPN SAT SWITCH | 15 | 12 | 3.0 | -- | -- | 30 | -- | 10 | 1.0 | 0.4 | 5.0 | 8.0 | 200 | -- | -- | 50 |
| 2N956 | NPN AMPL/SWITCH | 75 | 50 | 7.0 | 0.01 | 60 | 100 | 300 | 150 | 10 | 1.5 | 150 | 25 | 70 | -- | -- | -- |

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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