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Small Signal Transistors

TO-39 Case (Continued)



| TYPE NO. | DESCRIPTION | V _{CB0} | V _{CE0} | V _{EBO} | I _{CB0} | @ V _{CB} | h _{FE} | | @ I _C | @ V _{CE} | V _{CE(SAT)} @ I _C | | f _T | C _{ob} | t _{on} | t _{off} | NF |
|----------|------------------|------------------|--------------------------|------------------|--|-------------------|-----------------|-----|------------------|-------------------|---------------------------------------|-------|----------------|-----------------|-----------------|------------------|--------------|
| | | (V) | (V) *V _{CER} | (V) | (μA) *I _{CEO} **I _{CES} ***I _{CEV} ****I _{CER} | (V) | MIN | MAX | (mA) | (V) | (V) | (mA) | (MHz) *TYP | (pF) *TYP | (ns) *TYP | (ns) *TYP | (dB) *TYP |
| | | MIN | MIN | MIN | | | | | | | MAX | MIN | MAX | MAX | MAX | MAX | MAX |
| 2N2854 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | 0.10 | 40 | 100 | 300 | 1,000 | 1.0 | 0.40 | 1,000 | -- | -- | -- | -- | -- |
| 2N2855 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | 0.10 | 40 | 40 | 120 | 1,000 | 1.0 | 0.40 | 1,000 | -- | -- | -- | -- | -- |
| 2N2890 | NPN AMPL/SWITCH | 100 | 80 | 5.0 | 0.50 | 60 | 30 | 90 | 1,000 | 2.0 | 0.50 | 1,000 | 30 | 70 | -- | -- | -- |
| 2N2891 | NPN AMPL/SWITCH | 100 | 80 | 5.0 | 0.50 | 60 | 50 | 150 | 1,000 | 2.0 | 0.50 | 1,000 | 30 | 70 | -- | -- | -- |
| 2N2904A | PNP AMPL/SWITCH | 60 | 60 | 5.0 | 0.10 | 50 | 40 | 120 | 150 | 10 | 0.40 | 150 | 200 | 8.0 | -- | -- | -- |
| 2N2905A | PNP AMPL/SWITCH | 60 | 60 | 5.0 | 0.10 | 50 | 100 | 300 | 150 | 10 | 0.40 | 150 | 200 | 8.0 | -- | -- | -- |
| 2N2927 | PNP AMPL/SWITCH | 30 | 25 | 4.0 | -- | -- | 30 | 130 | 50 | 5.0 | 0.25 | 50 | 100 | 20 | -- | -- | -- |
| 2N2951 | NPN AMPL/SWITCH | 60 | 20 | 5.0 | 0.10 | 50 | 20 | 150 | 10 | 10 | 0.50 | 150 | 200 | 8.0 | -- | -- | -- |
| 2N2958 | NPN AMPL/SWITCH | 60 | 20 | 5.0 | 0.025 | 50 | 40 | 120 | 150 | 10 | 0.50 | 150 | 250 | 8.0 | -- | -- | -- |
| 2N2959 | NPN AMPL/SWITCH | 60 | 20 | 5.0 | 0.025 | 50 | 100 | 300 | 150 | 10 | 0.50 | 150 | 250 | 8.0 | -- | -- | -- |
| 2N2960 | NPN AMPL/SWITCH | 60 | 30 | 5.0 | -- | -- | 100 | 300 | 150 | 10 | 0.50 | 150 | 250 | 8.0 | -- | -- | -- |
| 2N2961 | NPN AMPL/SWITCH | 60 | 30 | 5.0 | -- | -- | 100 | 300 | 150 | 10 | 2.00 | 500 | 250 | 8.0 | -- | -- | -- |
| 2N3015 | NPN CORE DRIVER | 60 | 30 | 5.0 | 0.20 | 30 | 30 | 120 | 150 | 10 | 0.40 | 150 | 250 | 8.0 | -- | 60 | -- |
| 2N3019 | NPN AMPL/SWITCH | 140 | 80 | 7.0 | 0.10 | 90 | 100 | 300 | 150 | 10 | 0.20 | 150 | 100 | 12 | -- | -- | -- |
| 2N3020 | NPN AMPL/SWITCH | 140 | 80 | 7.0 | 0.10 | 90 | 40 | 120 | 150 | 10 | 0.20 | 150 | 100 | 12 | -- | -- | -- |
| 2N3053 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | 0.25 | 30 | 50 | 250 | 150 | 10 | 1.40 | 150 | 100 | 15 | -- | -- | -- |
| 2N3072 | PNP AMPL/SWITCH | 60 | 60 | 4.0 | 0.01** | 30 | 30 | 130 | 50 | 1.0 | 1.00 | 300 | 130 | 10 | -- | -- | -- |
| 2N3107 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.01** | 60 | 100 | 300 | 150 | 10 | 1.00 | 1,000 | 70 | 20 | -- | -- | -- |
| 2N3108 | NPN AMPL/SWITCH | 100 | 60 | 7.0 | 0.01* | 60 | 40 | 120 | 150 | 10 | 1.00 | 1,000 | 60 | 20 | -- | -- | -- |
| 2N3109 | NPN AMPL/SWITCH | 80 | 40 | 7.0 | 0.01* | 60 | 100 | 300 | 150 | 10 | 0.25 | 150 | 70 | 25 | -- | -- | -- |
| 2N3110 | NPN AMPL/SWITCH | 80 | 40 | 7.0 | 0.01* | 60 | 40 | 120 | 150 | 10 | 0.25 | 150 | 60 | 25 | -- | -- | -- |
| 2N3114 | NPN HIGH VOLTAGE | 150 | 150 | 5.0 | 0.01 | 100 | 30 | 120 | 30 | 10 | 1.00 | 50 | 40 | 9.0 | -- | -- | -- |
| 2N3119 | NPN AMPL/SWITCH | 100 | 80 | 4.0 | 50 | 60 | 50 | 200 | 100 | 10 | 0.50 | 100 | 250 | 6.0 | 40 | 700 | -- |
| 2N3120 | PNP AMPL/SWITCH | 45 | 45 | 4.0 | 0.01* | 30 | 30 | 130 | 150 | 1.0 | 0.50 | 300 | 130 | 10 | -- | -- | -- |
| 2N3122 | NPN AMPL/SWITCH | 50 | 30 | 5.0 | -- | -- | 25 | 100 | 300 | 10 | 1.50 | 300 | 60 | 25 | -- | -- | -- |
| 2N3133 | PNP AMPL/SWITCH | 50 | 35 | 4.0 | 0.50 | 30 | 40 | 120 | 150 | 10 | 0.60 | 150 | 200 | 10 | -- | -- | -- |
| 2N3134 | PNP AMPL/SWITCH | 50 | 35 | 4.0 | 0.50 | 30 | 100 | 300 | 150 | 10 | 0.60 | 150 | 200 | 10 | -- | -- | -- |
| 2N3137 | NPN VHF/UHF OSC | 40 | 20 | 4.0 | 0.50 | 20 | 20 | 120 | 50 | 5.0 | 0.30 | 50 | 500 | 3.5 | -- | -- | -- |
| 2N3244 | PNP CORE DRIVER | 40 | 40 | 5.0 | 0.50 | 30 | 50 | 150 | 500 | 1.0 | 1.00 | 1,000 | 175 | 25 | 50 | 185 | -- |
| 2N3245 | PNP CORE DRIVER | 50 | 50 | 5.0 | 0.50 | 30 | 30 | 90 | 500 | 1.0 | 1.20 | 1,000 | 150 | 25 | 55 | 165 | -- |
| 2N3252 | NPN CORE DRIVER | 60 | 30 | 5.0 | 0.50 | 40 | 30 | 90 | 500 | 1.0 | 1.00 | 1,000 | 200 | 12 | 45 | 70 | -- |
| 2N3253 | NPN CORE DRIVER | 75 | 40 | 5.0 | 0.50 | 60 | 25 | 75 | 500 | 1.0 | 1.20 | 1,000 | 175 | 12 | 50 | 70 | -- |
| 2N3299 | NPN AMPL/SWITCH | 60 | 30 | 5.0 | 0.01** | 50 | 40 | 120 | 150 | 10 | 0.60 | 500 | 250 | 8.0 | 60 | 150 | -- |
| 2N3300 | NPN AMPL/SWITCH | 60 | 30 | 5.0 | 0.01** | 50 | 100 | 300 | 150 | 10 | 0.60 | 500 | 250 | 8.0 | 60 | 150 | -- |
| 2N3326 | NPN AMPL/SWITCH | 60 | 40 | 5.0 | 0.10 | 50 | 40 | 120 | 150 | 10 | 0.40 | 150 | 250 | 8.0 | -- | -- | -- |
| 2N3388 | NPN AMPL/SWITCH | 125 | 100 | 6.0 | -- | -- | 60 | -- | 2.5 | 5.0 | 1.00 | 2.5 | 36 | 35 | -- | -- | -- |
| 2N3420 | NPN AMPL/SWITCH | 85 | 60 | 6.0 | 0.50*** | 80 | 40 | 160 | 1,000 | 2.0 | 0.50 | 2,000 | 40 | 150 | -- | -- | -- |
| 2N3421 | NPN AMPL/SWITCH | 125 | 80 | 8.0 | 0.50*** | 120 | 40 | 160 | 1,000 | 2.0 | 0.50 | 2,000 | 40 | 150 | -- | -- | -- |
| 2N3439 | NPN HIGH VOLTAGE | 450 | 350 | 7.0 | 20 | 360 | 40 | 160 | 20 | 10 | 0.50 | 50 | 15 | 10 | -- | -- | -- |
| 2N3440 | NPN HIGH VOLTAGE | 300 | 250 | 7.0 | 20 | 250 | 40 | 160 | 20 | 10 | 0.50 | 50 | 15 | 10 | -- | -- | -- |

(04-April 2014)

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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.

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- 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

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