

2N4391
2N4392
2N4393

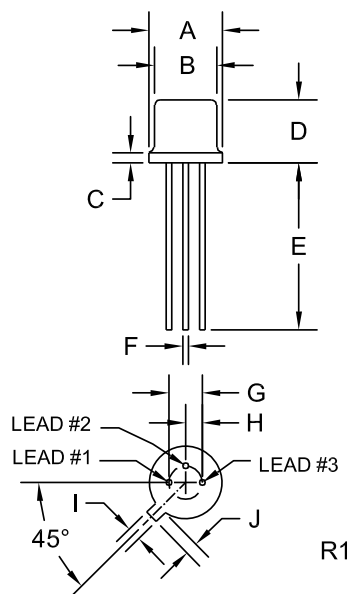
SILICON
N-CHANNEL JFET



ELECTRICAL CHARACTERISTICS - Continued: ($T_A=25^\circ\text{C}$ unless otherwise noted)

| SYMBOL | TEST CONDITIONS | 2N4391 | | 2N4392 | | 2N4393 | | UNITS |
|-----------|---------------------------|--------|-----|--------|-----|--------|-----|-------|
| | | MIN | MAX | MIN | MAX | MIN | MAX | |
| t_r | $I_{D(ON)}=12\text{mA}$ | - | 5.0 | - | - | - | - | ns |
| t_r | $I_{D(ON)}=6.0\text{mA}$ | - | - | - | 5.0 | - | - | ns |
| t_r | $I_{D(ON)}=3.0\text{mA}$ | - | - | - | - | - | 5.0 | ns |
| t_f | $V_{GS(OFF)}=12\text{V}$ | - | 15 | - | - | - | - | ns |
| t_f | $V_{GS(OFF)}=7.0\text{V}$ | - | - | - | 20 | - | - | ns |
| t_f | $V_{GS(OFF)}=5.0\text{V}$ | - | - | - | - | - | 30 | ns |
| t_{on} | $I_{D(ON)}=12\text{mA}$ | - | 15 | - | - | - | - | ns |
| t_{on} | $I_{D(ON)}=6.0\text{mA}$ | - | - | - | 15 | - | - | ns |
| t_{on} | $I_{D(ON)}=3.0\text{mA}$ | - | - | - | - | - | 15 | ns |
| t_{off} | $V_{GS(OFF)}=12\text{V}$ | - | 20 | - | - | - | - | ns |
| t_{off} | $V_{GS(OFF)}=7.0\text{V}$ | - | - | - | 35 | - | - | ns |
| t_{off} | $V_{GS(OFF)}=5.0\text{V}$ | - | - | - | - | - | 50 | ns |

TO-18 CASE - MECHANICAL OUTLINE



| SYMBOL | DIMENSIONS | | | |
|---------|------------|-------|-------------|------|
| | INCHES | | MILLIMETERS | |
| | MIN | MAX | MIN | MAX |
| A (DIA) | 0.209 | 0.230 | 5.31 | 5.84 |
| B (DIA) | 0.178 | 0.195 | 4.52 | 4.95 |
| C | - | 0.030 | - | 0.76 |
| D | 0.170 | 0.210 | 4.32 | 5.33 |
| E | 0.500 | - | 12.70 | - |
| F (DIA) | 0.016 | 0.019 | 0.41 | 0.48 |
| G (DIA) | 0.100 | | 2.54 | |
| H | 0.050 | | 1.27 | |
| I | 0.036 | 0.046 | 0.91 | 1.17 |
| J | 0.028 | 0.048 | 0.71 | 1.22 |

TO-18 (REV: R1)

LEAD CODE:

- 1) Source
- 2) Drain
- 3) Gate

MARKING: FULL PART NUMBER

R2 (26-September 2016)

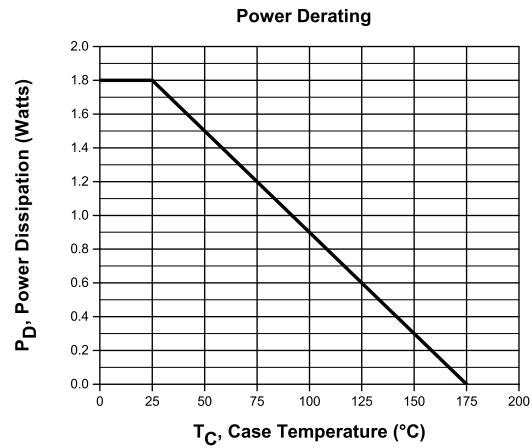
www.centalsemi.com

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TYPICAL ELECTRICAL CHARACTERISTICS



R2 (26-September 2016)

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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).

CONTACT US

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