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 Website: <http://www.microsemi.com>

SWITCHING DIODE

- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

DEVICES

1N5196

QUALIFIED LEVELS

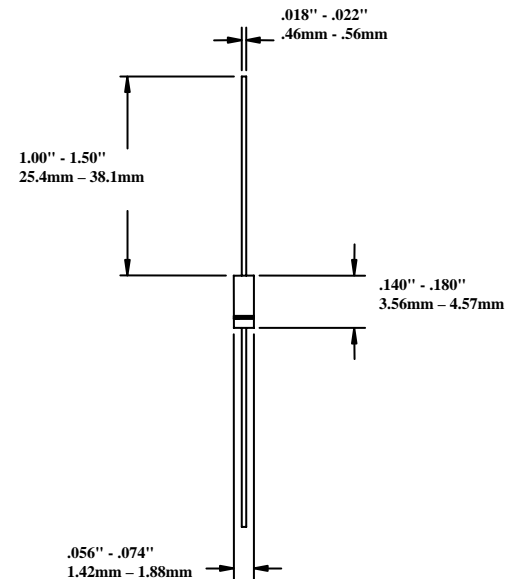
JAN
JANTX
JANTXV

MAXIMUM RATING AT 25°C

| | |
|--------------------------------|-----------------|
| Operating Temperature: | -65°C to +175°C |
| Storage Temperature: | -65°C to +175°C |
| Surge Current, sine, 8.3mS: | 2A |
| Total Power Dissipation, 25°C: | 500mW |
| Max. Operating Current, 25°C: | 200mA |
| D.C. Reverse Voltage (VRWM): | 225V |

DC ELECTRICAL CHARACTERISTICS

| V _F | | | | I _R | | | |
|----------------|-------------------|-------|-------|----------------|--------|--------|--------|
| Ambient (°C) | I _F mA | Min V | Max V | Ambient (°C) | V (dc) | Min μA | Max μA |
| 25 | 100 | 0.8 | 1.0 | 25 | 225 | - | 0.025 |
| -55 | 100 | - | 1.2 | 25 | 250 | - | 1.0 |
| | | | | 150 | 225 | - | 5.0 |



DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/118 DO-35 outline

Lead Material: Copper clad steel

Lead Finish: Tin / Lead

Thermal Impedance (Z_{θJX}): 70°C/W maximum

Polarity: Cathode end is banded