

SWITCHING DIODE

- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

DEVICES

1N5195UR

QUALIFIED LEVELS

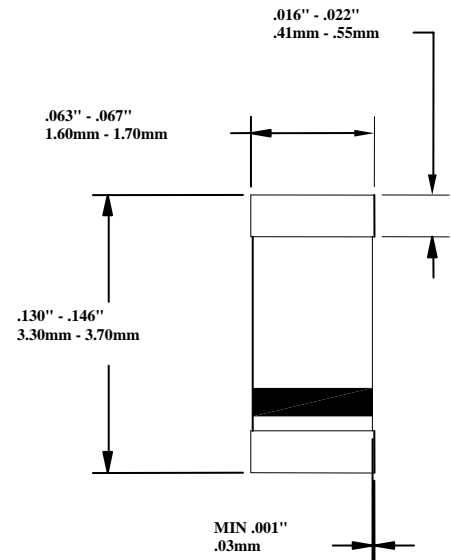
JAN
JANTX
JANTXV

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): | 180V |

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 | 180 | - | 0.025 |
| -55 | 100 | - | 1.2 | 25 | 200 | - | 1.0 |
| | | | | 150 | 180 | - | 5.0 |



DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/118 DO-213AA outline

Lead Material: Copper clad steel

Lead Finish: Tin / Lead

Thermal Impedance ($Z_{\theta JX}$): 70°C/W maximum

Polarity: Cathode end is banded