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# TECHNICAL DATA SHEET

## SWITCHING DIODE

- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

### DEVICES

**1N5196UR**

### QUALIFIED LEVELS

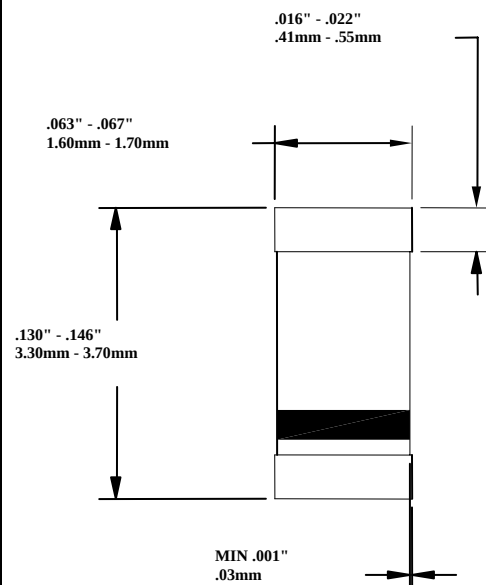
**JAN  
JANTX  
JANTXV**

### 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 $\mu A$ | Max $\mu A$ |
| 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-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