

6 Lake Street, Lawrence, MA 01841  
 1-800-446-1158 / (978) 620-2600 / Fax: (978) 689-0803  
 Website: <http://www.microsemi.com>

## SWITCHING DIODE

- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

### DEVICES

## 1N5196UR

### QUALIFIED LEVELS

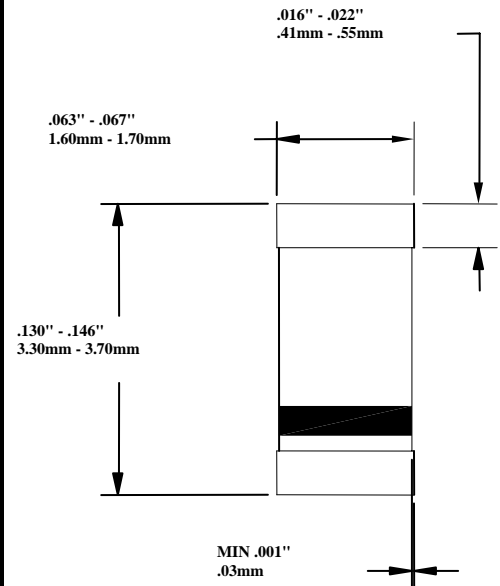
**JAN**  
**JANTX**  
**JANTXV**

### 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 <sub>F</sub> |                   |       |       | I <sub>R</sub> |        |        |        |
|----------------|-------------------|-------|-------|----------------|--------|--------|--------|
| Ambient (°C)   | I <sub>F</sub> 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-213AA outline

**Lead Material:** Copper clad steel

**Lead Finish:** Tin / Lead

**Thermal Impedance (Z<sub>θJX</sub>):** 70°C/W maximum

**Polarity:** Cathode end is banded