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## SWITCHING DIODE

- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

### DEVICES

**1N5194**

### QUALIFIED LEVELS

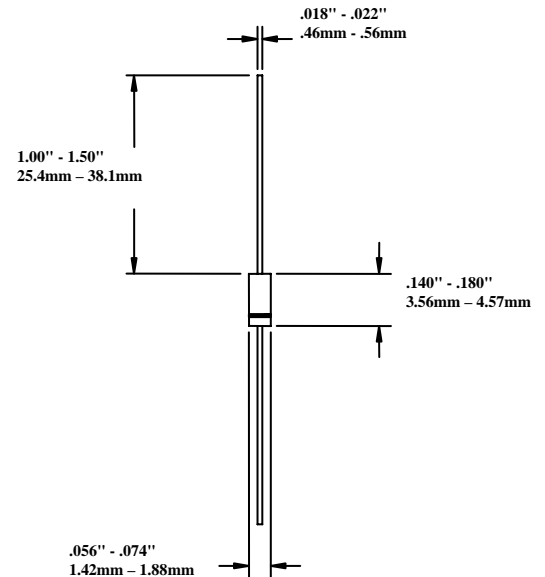
**JAN  
 JANTX  
 JANTXV**

### 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):	70V

### 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	70	-	0.025
-55	100	-	1.2	25	80	-	1.0
				150	70	-	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<sub>θJX</sub>):** 70°C/W maximum

**Polarity:** Cathode end is banded