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

TECHNICAL DATA SHEET

SWITCHING DIODE – METALLURGICALLY BONDED
– HERMETICALLY SEALED
– DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/118

DEVICES

1N5195

QUALIFIED LEVELS

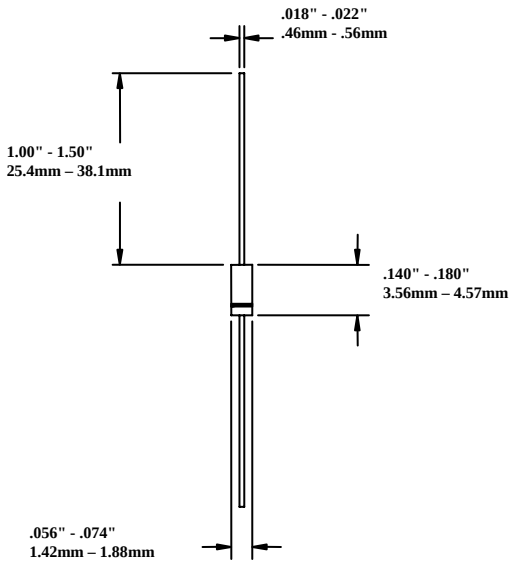
JAN
JANTX
JANTXV

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-35 outline

Lead Material: Copper clad steel

Lead Finish: Tin / Lead

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

Polarity: Cathode end is banded