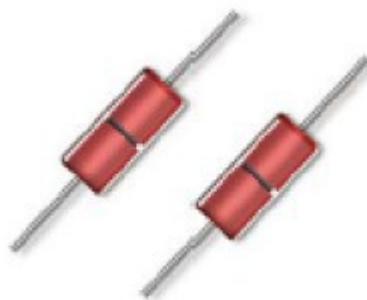


Silicon Switching Diode

Rev. V1

Features

- Available in JAN, JANTX, and JANTXV per MIL-PRF-19500/144
- Metallurgically Bonded
- Hermetically Sealed
- Double Plug Construction



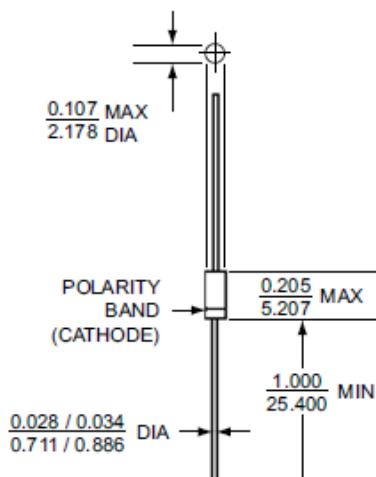
Maximum Ratings

Operating & Storage Temperature: -55°C to +175°C
 Operating Current: 200 mA @ $T_A = +75^\circ\text{C}$
 Derating: 2 mA DC/°C above $T_L = +75^\circ\text{C}$ @ $L = 3/8"$
 Surge Current A: 2 A (pk) $t_P = 8.3$ ms, $V_{RM} = 0$
 Surge Current B: 4 A (pk) $t_P = 1$ μs , $V_{RM} = 0$

Electrical Specifications @ +25°C (unless otherwise Specified)

V_{BR} @ 5 μA	V_{RWM}	I_0	V_F1 @ $I_F = 10$ mA	V_F2 @ $I_F = 10$ mA $T_A = 150^\circ\text{C}$	t_{rr}	I_{R1} @ 50 V dc	I_{R2} @ 50 V $T_A = 150^\circ\text{C}$	Capacitance @ 0 V
Volts	Volts (pk)	mA	V dc	V dc	n sec	μA	μA	pF
75	50	200	0.8	0.7	4	0.1	100	2

Outline



All dimensions in INCH
mm

LEADED DESIGN DATA

CASE: Hermetically sealed glass case per MIL-S-19500/144, DO – 35

LEAD MATERIAL: Copper clad steel

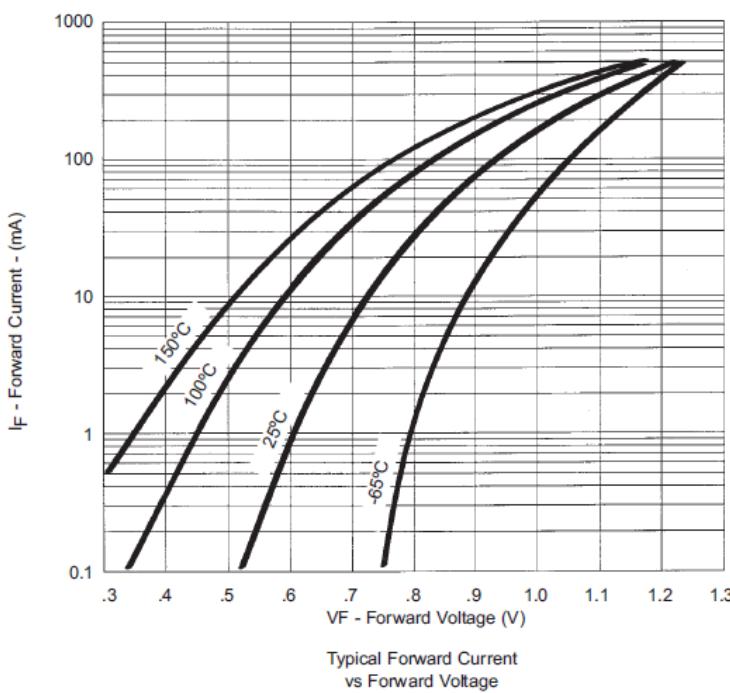
LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\Theta JL}$): 250 °C/W maximum at $L = 0.375$ in

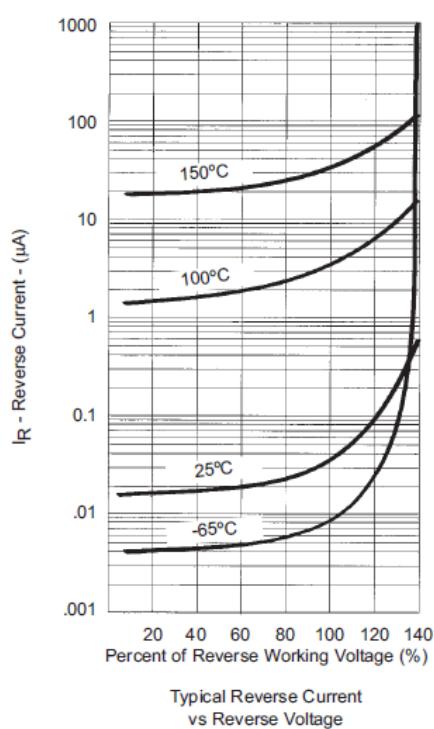
THERMAL IMPEDANCE: ($Z_{\Theta JX}$): 70 °C/W maximum

POLARITY: Cathode end is banded.

Graphs



Typical Forward Current
vs Forward Voltage



Typical Reverse Current
vs Reverse Voltage

NOTE: All temperatures shown on graphs are junction temperatures.

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