

Features

- Glass passivated
- High surge forward current capability
- Reliable low cost construction utilizing moulded plastic technique results in expensive product
- Lead tin plated copper
- Mounting position: Any
- Lead free

**RoHS
Compliant**

Applications

General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballast, adapter, etc.

Max. Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	1,000	V
Max. RMS Bridge Input Voltage	V_{RMS}	700	
Max. DC Blocking Voltage	V_{DC}	1,000	
Max. Average Forward Rectified Current at $T_A = 25^\circ\text{C}$	$I_{(AV)}$	2	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	60	
I^2t Rating for Fusing ($t < 8.3\text{ ms}$)	I^2t	15	
Peak Forward Voltage per Diode at 2A DC	V_F	1.1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage per Diode $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	I_R	10 1	μA mA
Typical Junction Capacitance (Note 1)	C_J	30	pF
Operating Junction Temperature Range	T_J	-55 to +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}		

Note :

1. Measured at 1MHz and applied reverse Voltage of 4V DC

Rating and Characteristics Curves

Fig. 1 - Forward Current Derating Curve

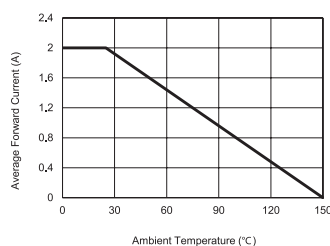


Fig. 2 - Maximum Non-Repetitive Surge Current

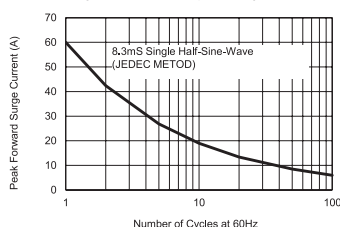
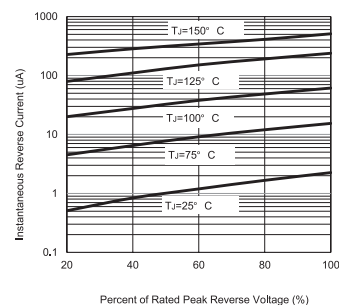
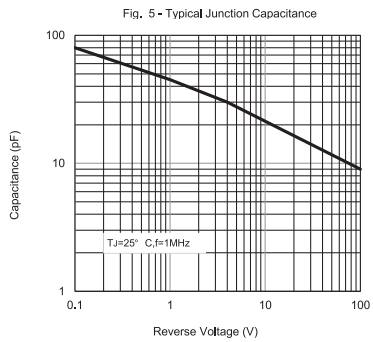
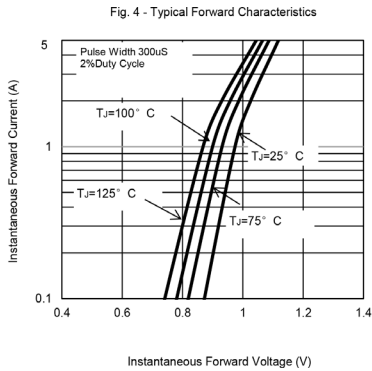


Fig. 3 - Typical Reverse Characteristics

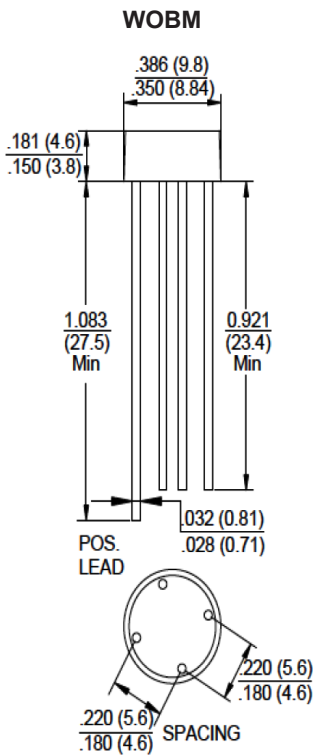


Bridge Rectifier Diode

multicomp^{PRO}



Diagram



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Bridge Rectifier Diode, Single Phase, 1kV, 2A	2W10MG

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