

Bridge Rectifier

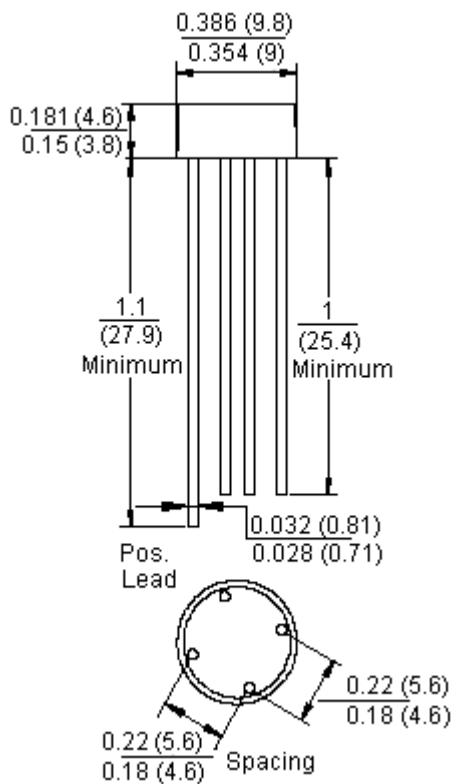


Features:

- Glass passivated.
- Surge overload rating -60 amperes peak.
- Ideal for printed circuit board.
- Reliable low cost construction utilizing moulded plastic technique results in expensive product.
- Mounting position : Any.
- Lead : Sliver plated copper lead.

Reverse Voltage - 1,000 V
Forward Current - 2 Amperes

WOBM



Dimensions : Inches (Millimetres)

Bridge Rectifier



Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

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

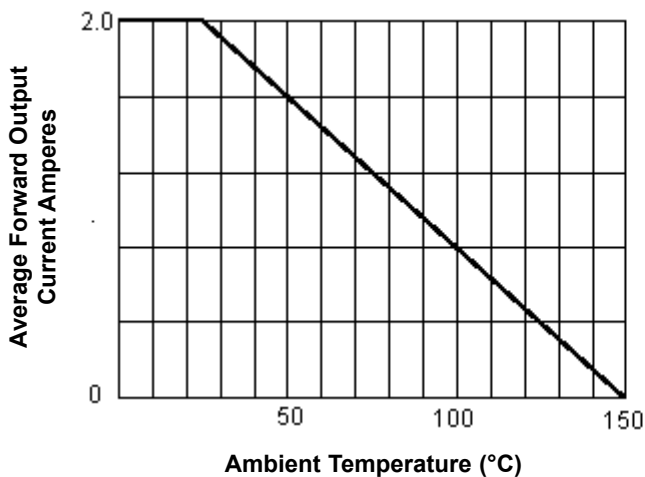
For capacitive load, derate current by 20%.

Characteristics	Symbol	2W10MG	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1,000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	700	
Maximum DC Blocking Voltage	V_{DC}	1,000	
Maximum Average Forward Rectified Current at $T_A = 25^\circ\text{C}$	$I_{(AV)}$	2	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load	I_{FSM}	60	
I^2t Rating for Fusing ($t < 8.3$ ms)	I^2t	15	A ² s
Maximum Forward Voltage Drop Per Element at 2 A Peak	V_F	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	I_R	10 1	μA mA
Typical Junction Capacitance Per Element (Note 1)	C_J	30	pF
Operating Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}		

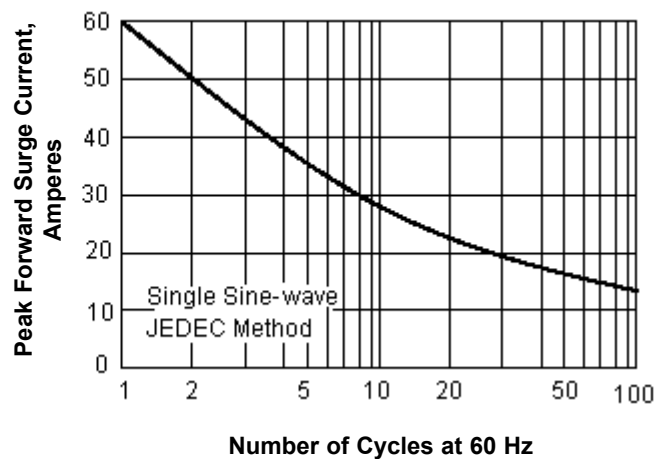
Note : 1. Measured at 1 MHz and applied reverse Voltage of 4 V dc.

Rating and Characteristics Curves

Forcing Curve Output Rectified Current

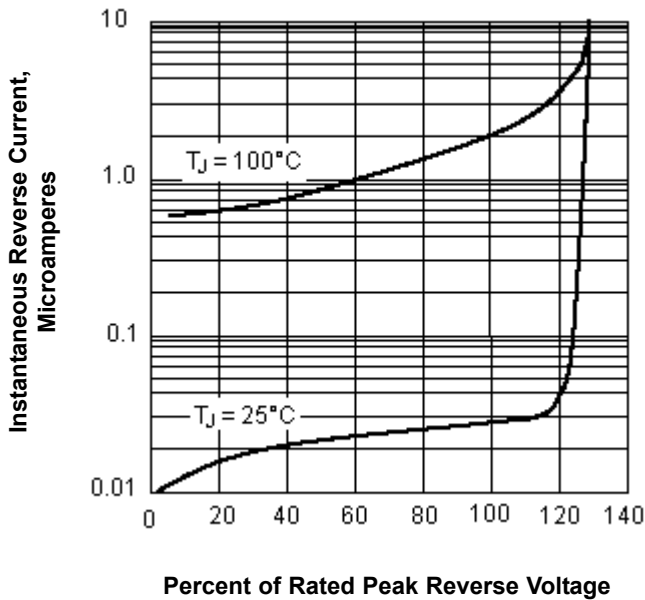


Maximum Non-Repetitive Peak Forward Surge Current

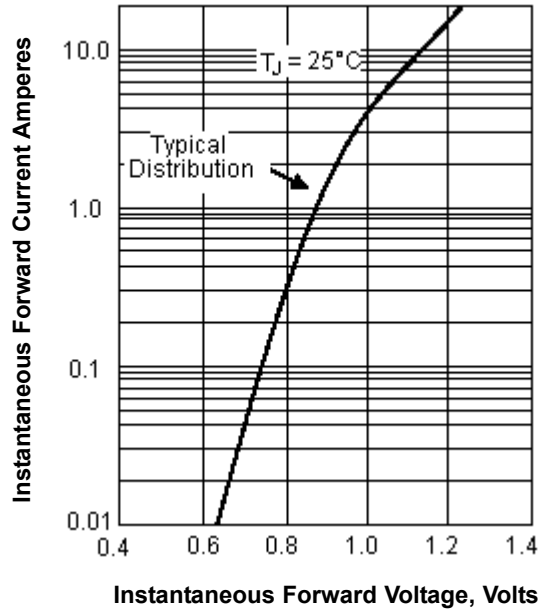


Rating and Characteristics Curves

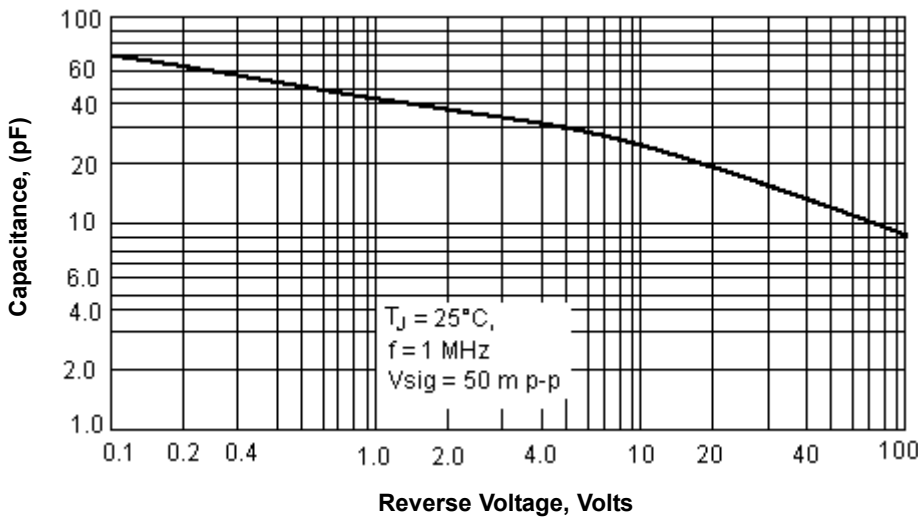
Typical Reverse Characteristics



Typical Forward Characteristics



Typical Junction Capacitance Per Bridge Element



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