

Bridge Rectifier

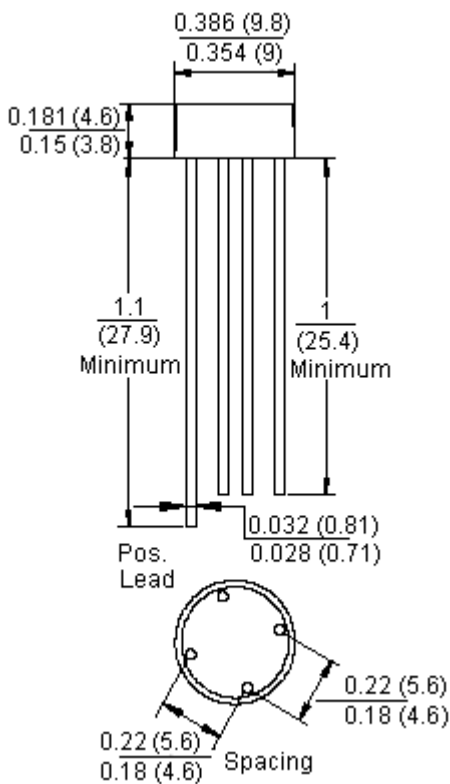


Features:

- 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 - 800 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.

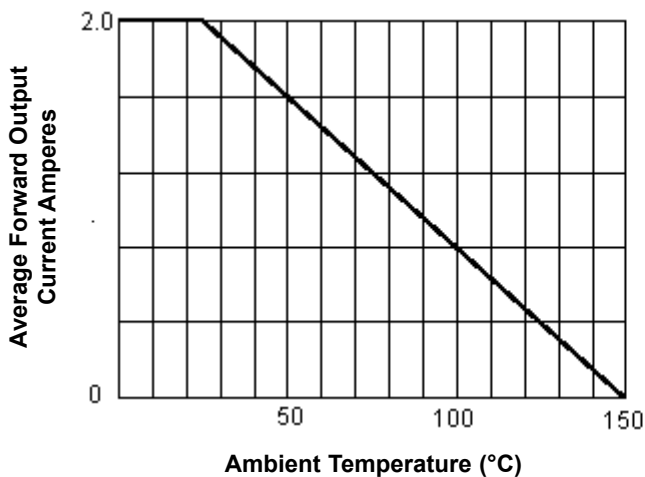
For capacitive load, derate current by 20%.

Characteristics	Symbol	2W08MG	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	800	V
Maximum RMS Bridge Input Voltage	V_{RMS}	560	
Maximum DC Blocking Voltage	V_{DC}	800	
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}		

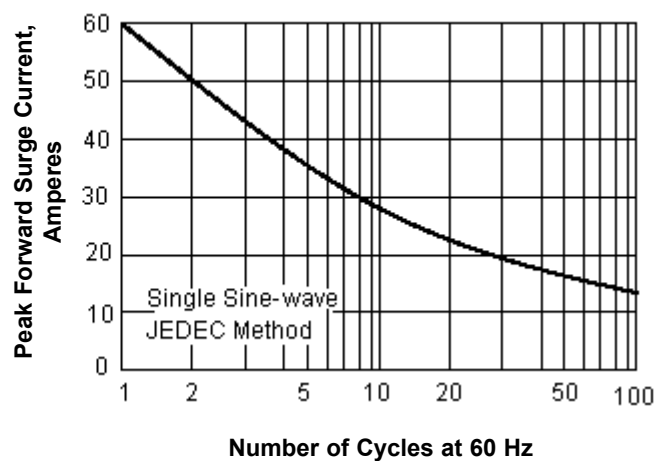
Note : 1. Measured at 1 MHz and applied reverse Voltage of 4 V dc.

Rating and Characteristics Curves

Forcing Curve Output Rectified Current

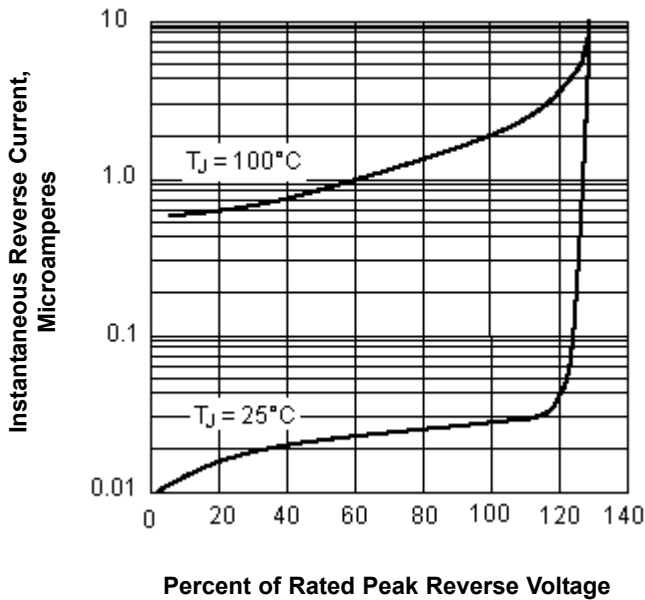


Maximum Non-Repetitive Peak Forward Surge Current

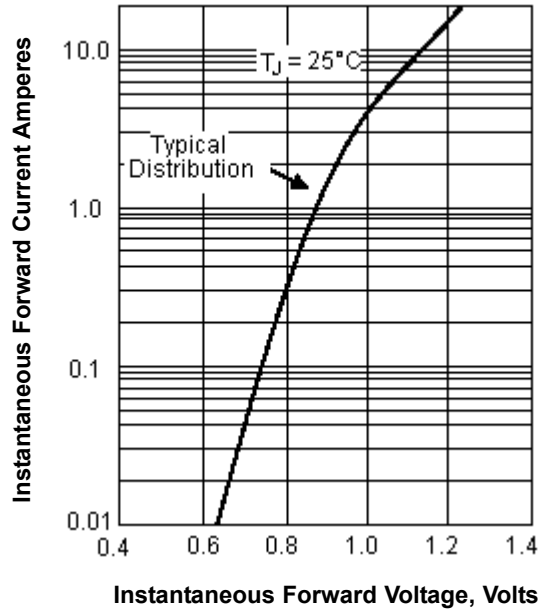


Rating and Characteristics Curves

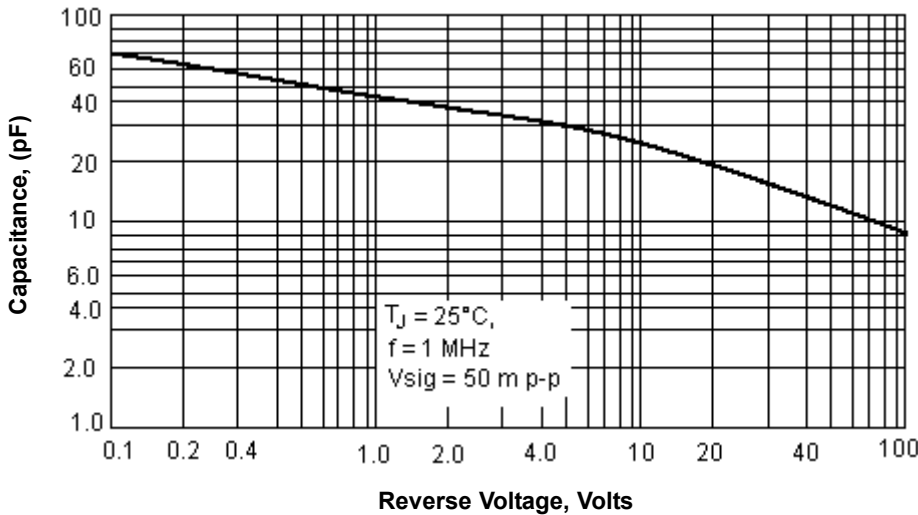
Typical Reverse Characteristics



Typical Forward Characteristics



Typical Junction Capacitance Per Bridge Element



Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2011.