

# Bridge Rectifier

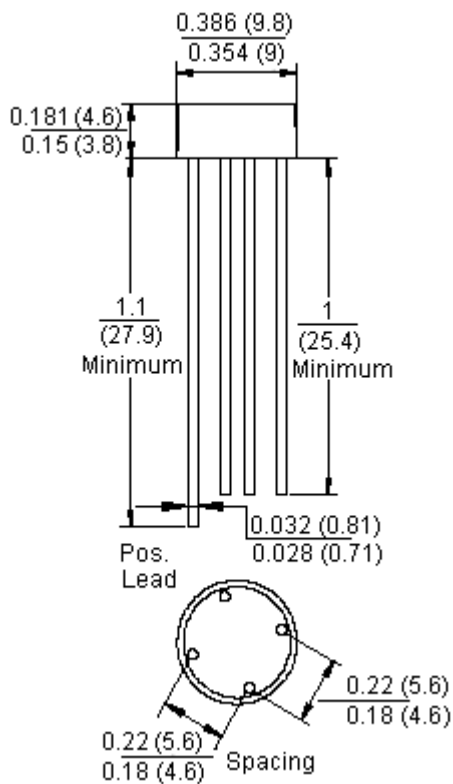


## Features:

- 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 - 100 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.

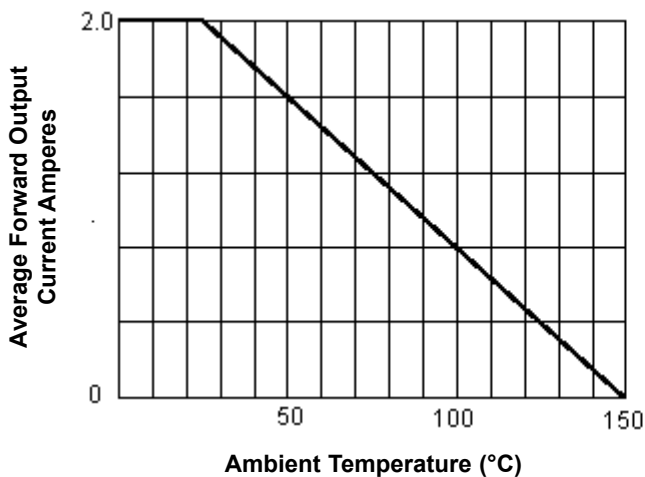
For capacitive load, derate current by 20%.

Characteristics	Symbol	2W01MG	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	100	V
Maximum RMS Bridge Input Voltage	$V_{RMS}$	70	
Maximum DC Blocking Voltage	$V_{DC}$	100	
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 <sup>2</sup> 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	$\mu\text{A}$ mA
Typical Junction Capacitance Per Element (Note 1)	$C_J$	30	pF
Operating Temperature Range	$T_J$	-55 to +150	°C
Storage Temperature Range	$T_{STG}$		

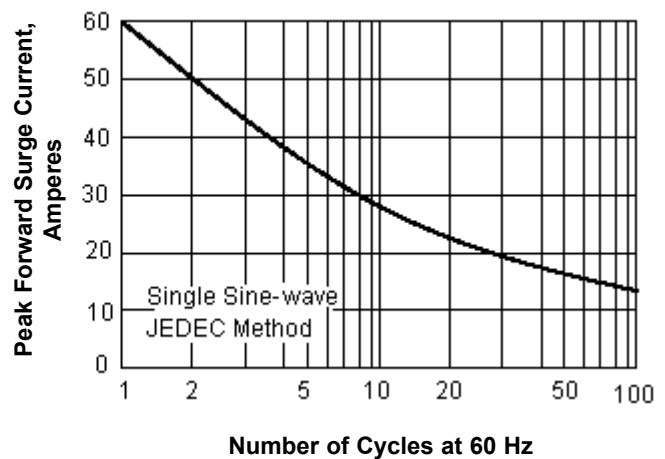
Note : 1. Measured at 1 MHz and applied reverse Voltage of 4 V dc.

## Rating and Characteristics Curves

Forcing Curve Output Rectified Current

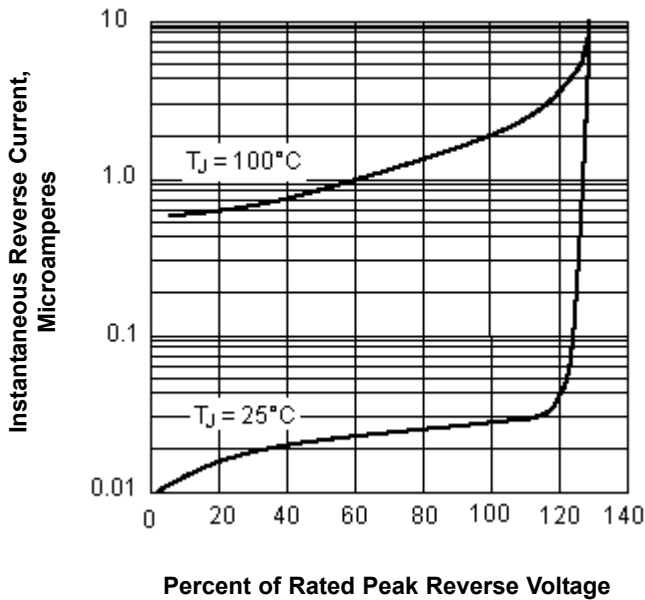


Maximum Non-Repetitive Peak Forward Surge Current

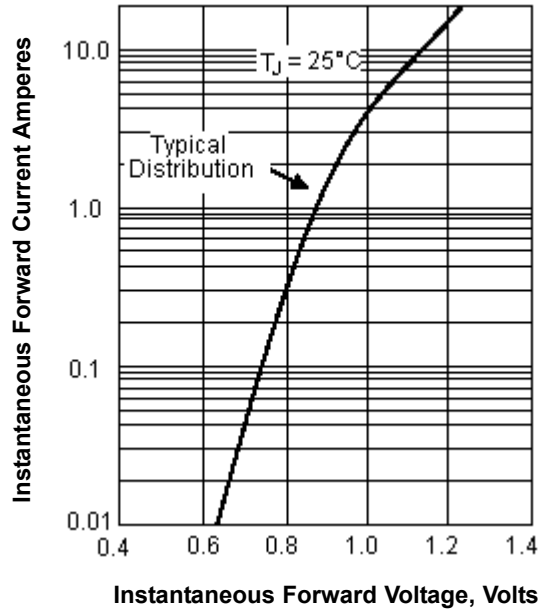


## Rating and Characteristics Curves

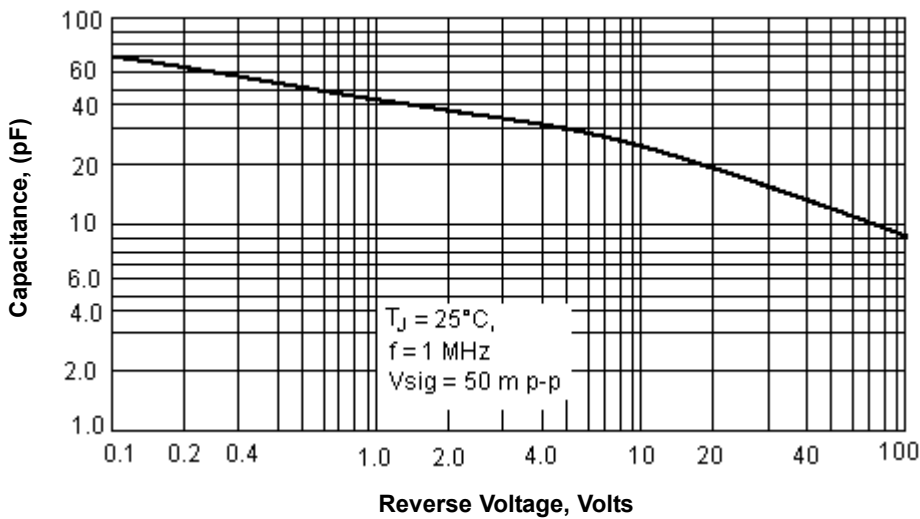
Typical Reverse Characteristics



Typical Forward Characteristics



Typical Junction Capacitance Per Bridge Element



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