

Bridge Rectifier

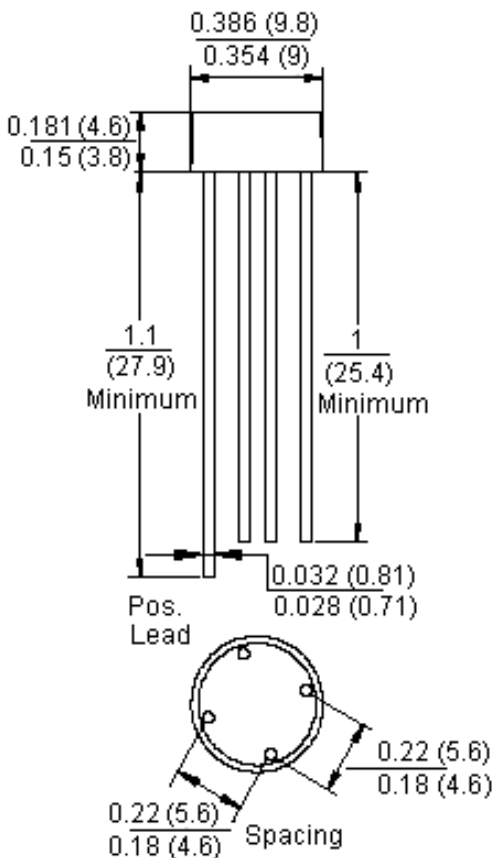


Features:

- Glass passivated.
- Surge overload rating -50 amperes peak.
- Ideal for printed circuit board.
- Reliable low cost construction utilizing moulded plastic technique results in expensive product.
- Mounting position : Any.

Reverse Voltage - 50 V
Forward Current - 1.5 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	W005MG	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	V
Maximum RMS Voltage	V_{RMS}	35	
Maximum DC Blocking Voltage	V_{DC}	50	
Maximum Average Forward Rectified Current at $T_A = 25^\circ\text{C}$	$I_{(AV)}$	1.5	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load	I_{FSM}	50	
I^2t Rating for Fusing ($t < 8.3$ ms)	I^2t	5	A ² s
Maximum Forward Voltage Drop Per Element at 1.5 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
Operating Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}		

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