Bridge Rectifier Diode

multicomp PRO

Features

RoHS Compliant

- 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

Specifications

Reverse Voltage : 400 Volts
Forward Current : 2 Amperes

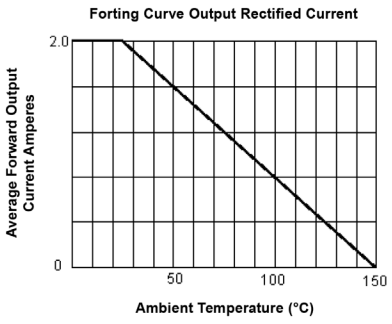
Max. Ratings and Electrical Characteristics

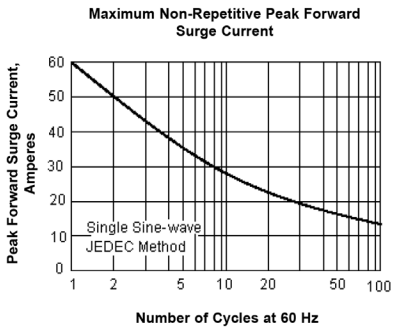
Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

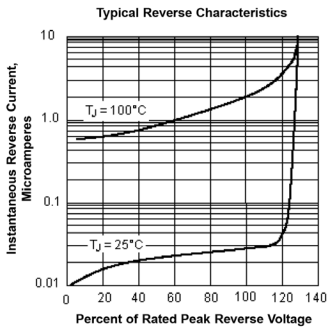
Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	400	V
Max. RMS Bridge Input Voltage	V_{RMS}	280	
Max. DC Blocking Voltage	V_{DC}	400	
Max. Average Forward Rectified Current at T_A = 25°C	$I_{(AV)}$	2	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Super Imposed on Rated Load	I_{FSM}	60	
I^2t Rating for Fusing (t < 8.3 ms)	I^2t	15	A^2s
Max. Forward Voltage Drop Per Element at 2A Peak	V_F	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage T_J = 25°C T_J = 100°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 1MHz and applied reverse Voltage of 4V DC

Rating and Characteristics Curves







Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

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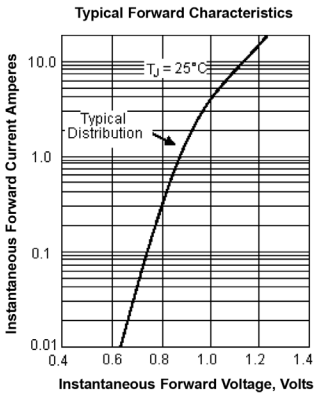
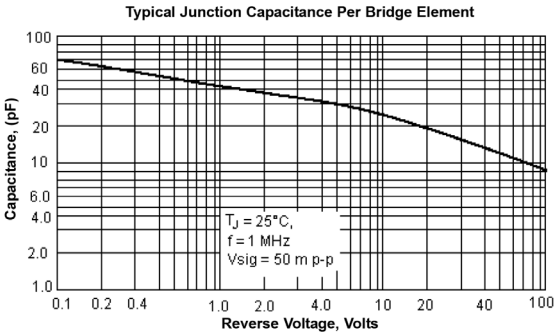
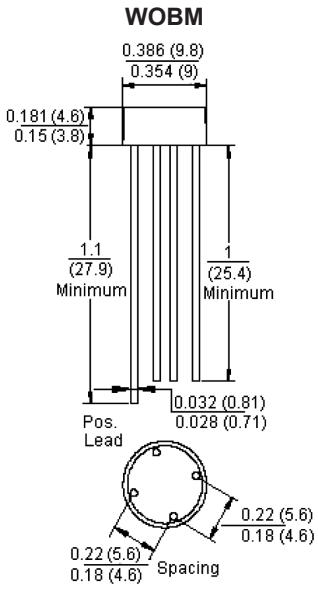




Diagram



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Bridge Rectifier Diode, Single Phase, 400V, 2A	2W04MG