



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: Silver plated copper lead

**RoHS
Compliant**

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.

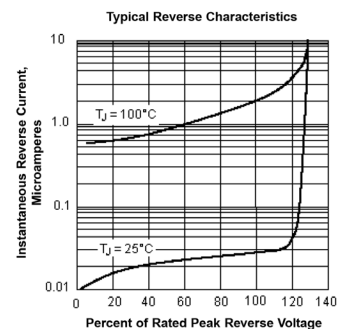
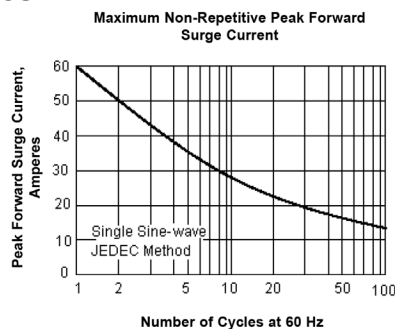
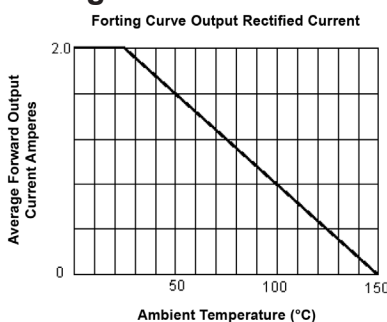
For capacitive load, derate current by 20%.

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 $T_A = 25^\circ\text{C}$	$I_{(AV)}$	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 $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	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	$^\circ\text{C}$
Storage Temperature Range	T_{STG}		

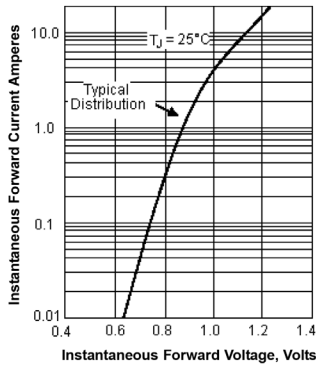
Note :

1. Measured at 1MHz and applied reverse Voltage of 4V DC

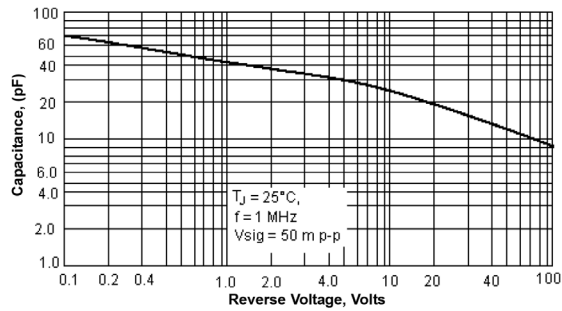
Rating and Characteristics Curves



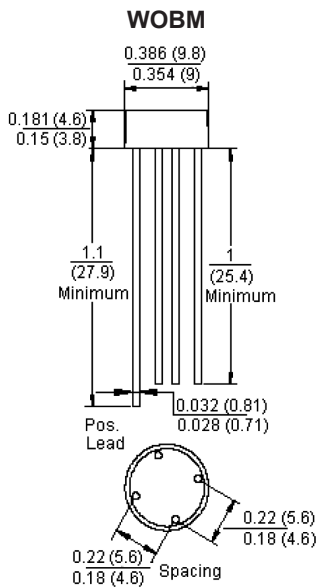
Typical Forward Characteristics



Typical Junction Capacitance Per Bridge Element



Diagram



Dimensions : Inches (Millimetres)

Part Number Table

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET 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 Pro is the registered trademark of Premier Farnell Limited 2019.