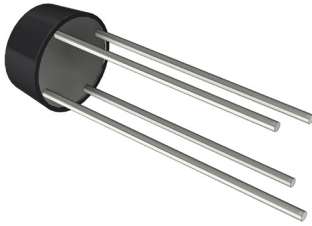


**RoHS  
Compliant**



## Features

- Glass passivated
- High surge forward current capability
- Reliable low cost construction utilizing moulded plastic technique results in expensive product
- Lead tin plated copper
- Mounting position: Any
- Lead free

## Applications

General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballast, adapter, etc.

## 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	VRRM	1,000	V
Max. RMS Bridge Input Voltage	VRMS	700	
Max. DC Blocking Voltage	VDC	1,000	
Max. Average Forward Rectified Current at TA = 25°C	IAV	2	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC Method)	IFSM	60	
I <sup>2</sup> t Rating for Fusing (t < 8.3 ms)	I <sup>2</sup> t	15	A <sup>2</sup> s
Peak Forward Voltage per Diode at 2A DC	VF	1.1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage per Diode TJ = 25°C TJ = 100°C	IR	10 1	μA mA
Typical Junction Capacitance (Note 1)	CJ	30	pF
Operating Junction Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG		

Note :

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

## Rating and Characteristics Curves

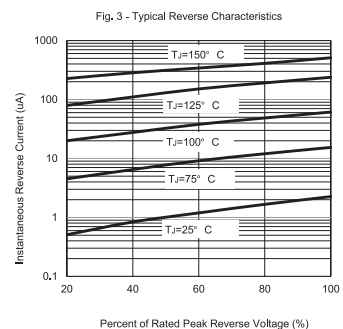
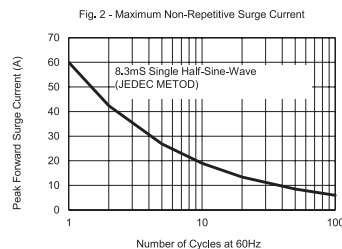
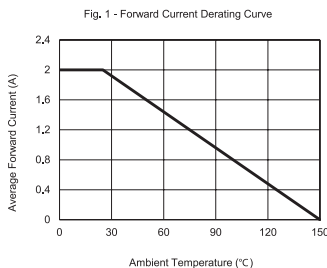


Fig. 4 - Typical Forward Characteristics

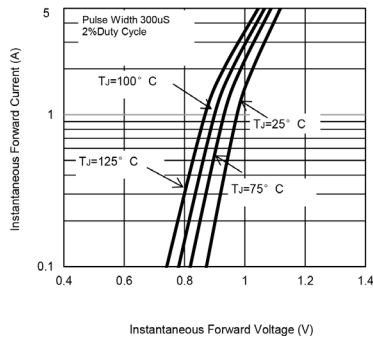
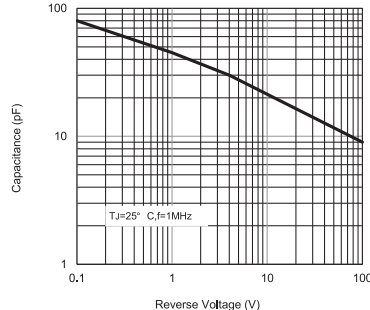
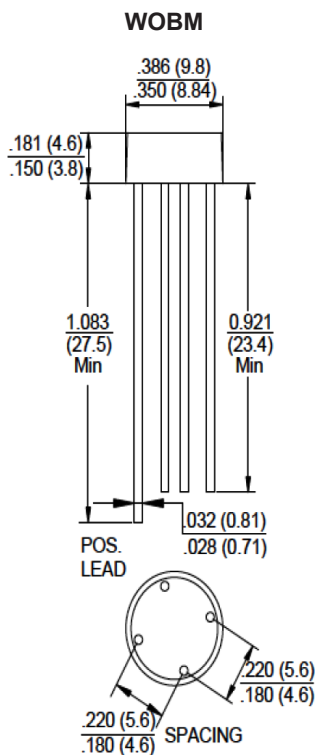


Fig. 5 - Typical Junction Capacitance



## Diagram



## Part Number Table

Description	Part Number
Bridge Rectifier Diode, Single Phase, 1kV, 2A	2W10MG

Dimensions : Inches (Millimetres)

**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.