

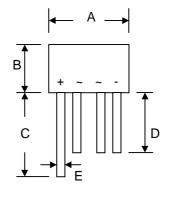
# **1.5A BRIDGE RECTIFIER**

## Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- UL Recognized File # E157705

## **Mechanical Data**

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 1.1 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



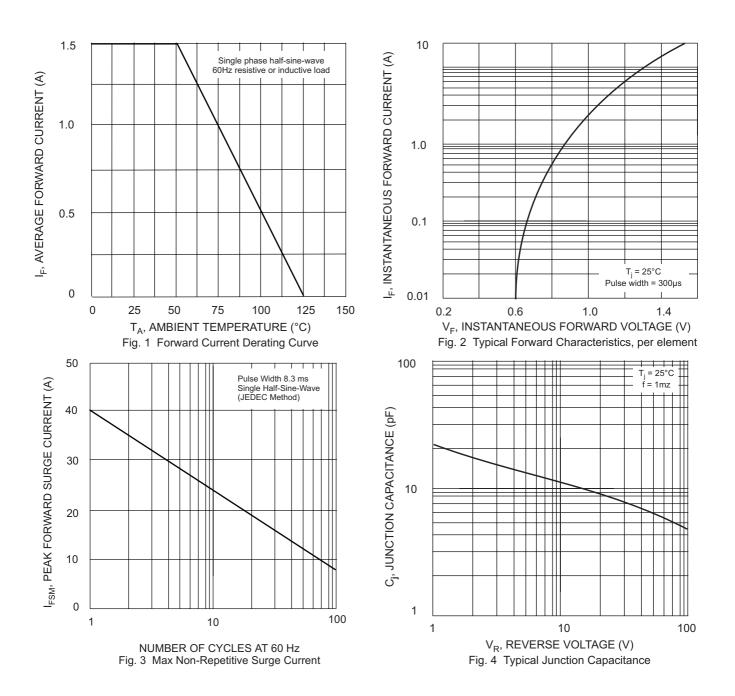
WOB				
Dim	Min	Max		
Α	8.60	9.10		
В	5.0	5.50		
С	27.9	—		
D	25.4	—		
Е	0.71	0.81		
G	4.60	5.60		
All Dimensions in mm				

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic		Symbol	W005M	W01M	W02M	W04M	W06M	W08M	W10M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage		VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)	@T <sub>A</sub> = 50°C	lo	1.5					A		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	40					A		
Forward Voltage (per element) $@I_F = 1.5A$		Vfm	1.0					V		
Peak Reverse Current At Rated DC Blocking Voltage	@T <sub>A</sub> = 25°C @T <sub>A</sub> = 100°C	Iгм	10 500			μA				
Operating Temperature Range		Tj	-55 to +125					°C		
Storage Temperature Range		Тѕтс	-55 to +150					°C		

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.



#### ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
W005M	Round Bridge	1000 Units/Box
W01M	Round Bridge	1000 Units/Box
W02M	Round Bridge	1000 Units/Box
W04M	Round Bridge	1000 Units/Box
W06M	Round Bridge	1000 Units/Box
W08M	Round Bridge	1000 Units/Box
W10M	Round Bridge	1000 Units/Box

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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