



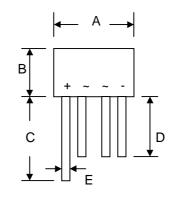
2.0A GLASS PASSIVATED SINGLE-PHASE BRIDGE RECTIFIER

## Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- Excellent Case Dielectric Strength

#### **Mechanical Data**

- Case: RB-20, 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
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4



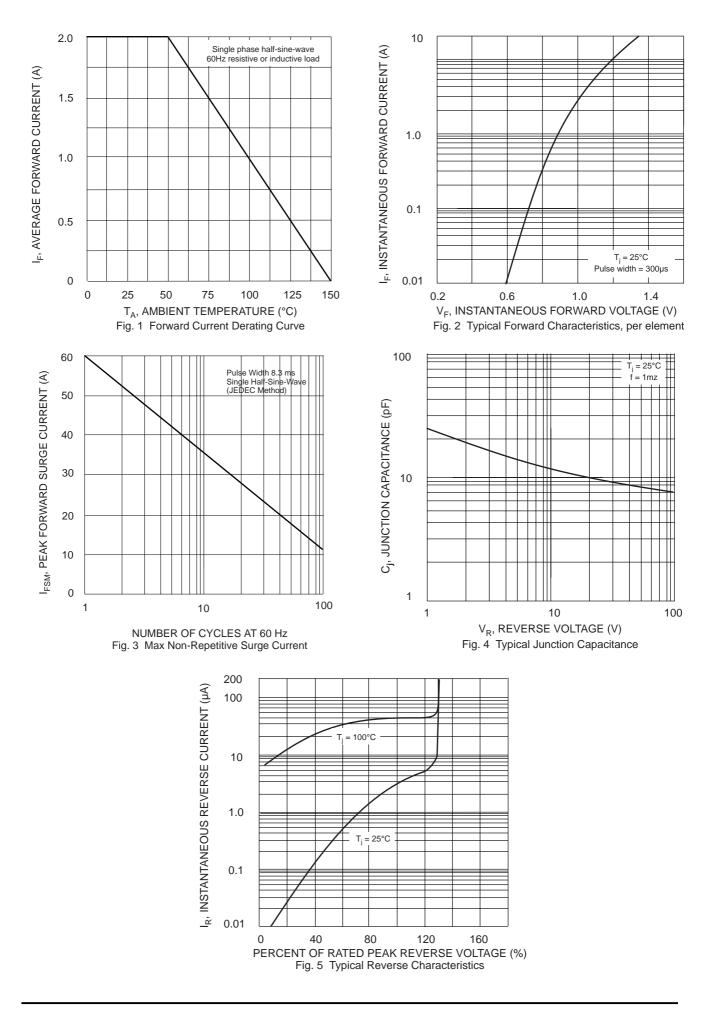
RB-20				
Dim	Min	Max		
Α	8.60	9.40		
В	6.90	7.40		
С	27.9	—		
D	25.4	—		
E	0.71	0.81		
G	4.60	5.60		
All Dimensions in mm				

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

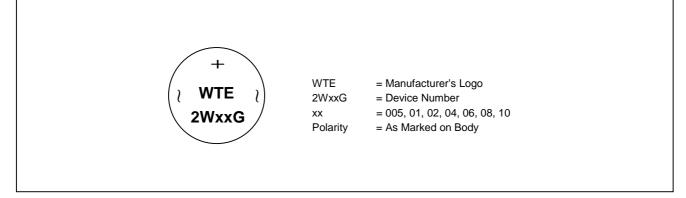
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	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 $@T_A = 50^{\circ}C$ (Note 1)	lo				2.0				A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM				60				A
Forward Voltage (per element) $@I_F = 2.0A$	Vfm				1.0				V
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	<b>I</b> RM	5.0 500			μA				
Operating Temperature Range	Tj			-	55 to +15	0			°C
Storage Temperature Range	Тѕтс			-	55 to +15	0			°C

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



## MARKING INFORMATION



# PACKAGING INFORMATION

#### BULK

Inner Box Size	Quantity	Carton Size	Quantity	Approx. Gross Weight
L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	(KG)
260 x 190 x 80	1,000	400 x 273 x 415	10,000	14.0

Note: 1. Paper box, white or brown color.

Product No.	Package Type	Shipping Quantity
2W005G	Round Bridge	1000 Units/Box
2W01G	Round Bridge	1000 Units/Box
2W02G	Round Bridge	1000 Units/Box
2W04G	Round Bridge	1000 Units/Box
2W06G	Round Bridge	1000 Units/Box
2W08G	Round Bridge	1000 Units/Box
2W10G	Round Bridge	1000 Units/Box

#### **ORDERING INFORMATION**

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
To order Lead Free version (with Lead Free finish), add "-LF" suffix to

To order Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, 2W005G-LF.

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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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