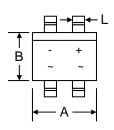


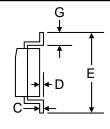
0.8A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Reliability
- High Surge Current Capability
- Design for Surface Mount Application
- Plastic Material UL Flammability 94V-0
- Recognized File # E157705





Mechanical Data

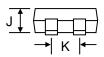
Case: MB-S, Molded Plastic

Terminals: Plated Leads Solderable per

MIL-STD-202, Method 208 Polarity: As Marked on Case Weight: 0.12 grams (approx.)

Mounting Position: Any Marking: Type Number

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



MB-S				
Dim	Min	Max		
Α	4.50	4.90		
В	3.60	4.00		
С	0.15	0.35		
D	_	0.20		
Е	_	7.00		
G	0.70	1.10		
J	J 2.30 2.70			
K	2.20	2.60		
L	L 0.56 0.84			
All Dimensions in mm				

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

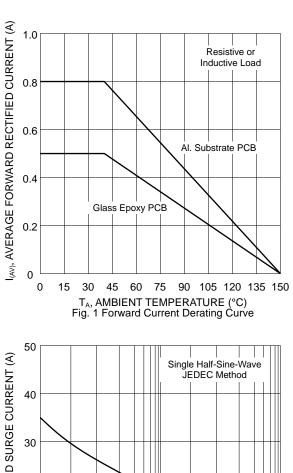
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

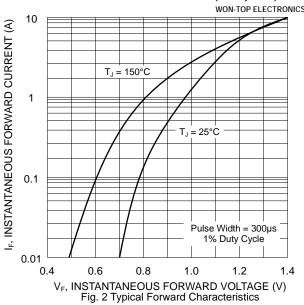
Characteristic	Symbol	B1S	B2S	B4S	B6S	B8S	B10S	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) $@T_A = 4$ Average Rectified Output Current (Note 2) $@T_A = 4$	I IO	0.8 0.5				Α		
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Lo (JEDEC Method)		35				А		
Forward Voltage per diode $@I_F = 0$ $@I_F = 0$	I VEM	1.0 1.1					٧	
Peak Reverse Current $@T_A = 2$ At Rated DC Blocking Voltage $@T_A = 12$	IDM	5.0 500					μΑ	
Typical Junction Capacitance per diode (Note 3)	CJ	13					pF	
Thermal Resistance Junction to Ambient (Note 2) Thermal Resistance Junction to Ambient (Note 1) Thermal Resistance Junction to Lead (Note 2)	R JA R JA R JL	134 76 20					°C/W	
Operating and Storage Temperature Range	TJ, TSTG	-55 to +150					°C	

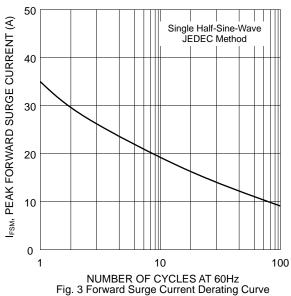
Note: 1. Mounted on aluminum substrate PCB with 1.3 x 1.3mm pad areas.

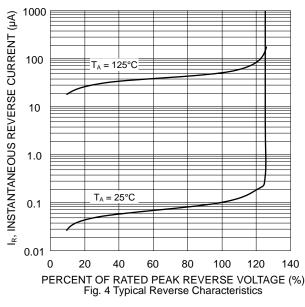
- 2. Mounted on glass epoxy PCB with 1.3 x 1.3mm pad areas.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

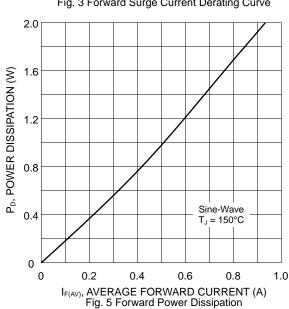


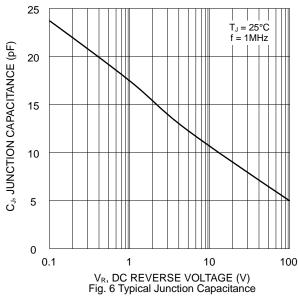








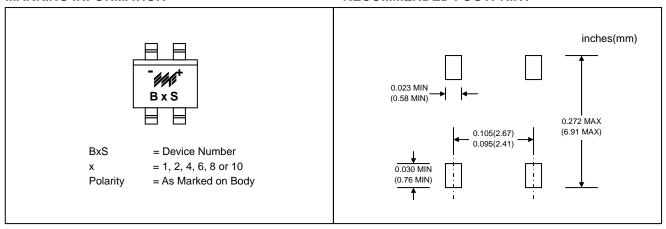






MARKING INFORMATION

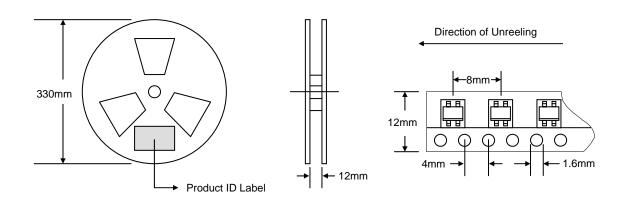
RECOMMENDED FOOTPRINT



PACKAGING INFORMATION



TAPE & REEL



Reel Diameter (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
330	3,000	340 x 337 x 45	6,000	370 x 370 x 420	48,000	15.0

Note: 1. Paper reel, white or gray color.
2. Components are packed in accordance with EIA standard 481-1 and 481-2.



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity		
B1S-T3	MB-S	3000/Tape & Reel		
B2S-T3	MB-S	3000/Tape & Reel		
B4S-T3	MB-S	3000/Tape & Reel		
B6S-T3	MB-S	3000/Tape & Reel		
B8S-T3	MB-S	3000/Tape & Reel		
B10S-T3	MB-S	3000/Tape & Reel		

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

 To order RoHS / Lead Free version (with Lead Free finish), add "-LF" 2. suffix to part number above. For example, B1S-T3-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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We power your everyday.