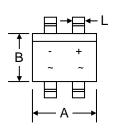


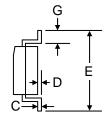
### 0.8A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



### **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

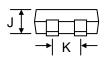
Terminals: Plated Leads Solderable per

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	<b>J</b> 2.30 2.70				
K	2.20	2.60			
L	0.56	0.84			
All Dimensions in mm					

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

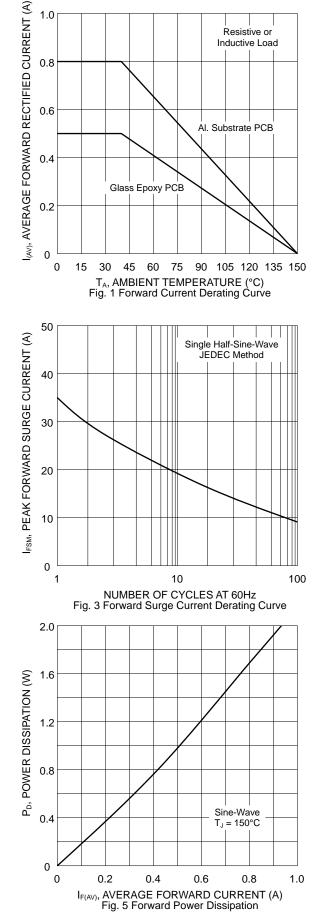
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

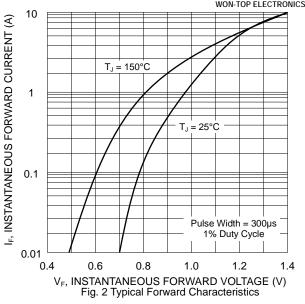
Characteristic		Symbol	B1S	B2S	B4S	B6S	B8S	B10S	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		VRRM VRWM VR	100	200	400	600	800	1000	٧
RMS Reverse Voltage	VR(RMS)	70	140	280	420	560	700	V	
Average Rectified Output Current (Note 1) $@T_A = 40^{\circ}C$ Average Rectified Output Current (Note 2) $@T_A = 40^{\circ}C$		lo	0.8 0.5					А	
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)		IFSM	35					А	
Forward Voltage per diode		VFM	1.0 1.1					V	
		lгм	5.0 500					μΑ	
Typical Junction Capacitance per diode (Note 3)		Cı	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	

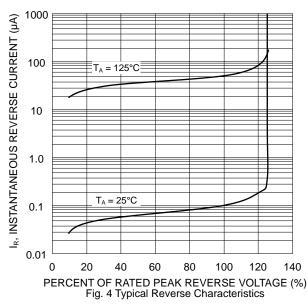
Note: 1. Mounted on aluminum substrate PCB with 1.3 x 1.3mm pad areas.

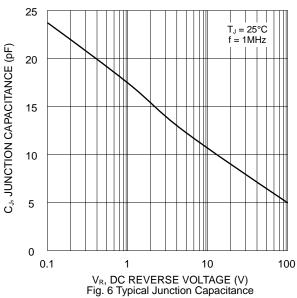
- 2. Mounted on glass epoxy PCB with 1.3 x 1.3mm pad areas.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.







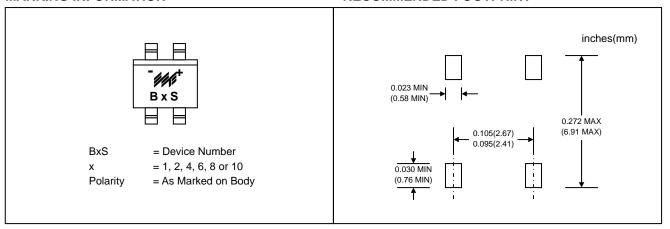






## **MARKING INFORMATION**

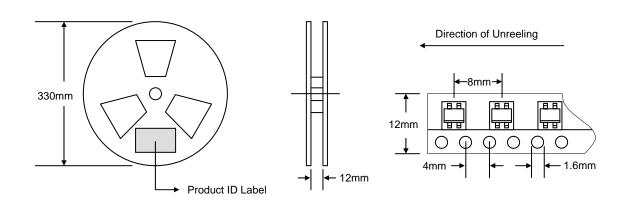
## RECOMMENDED FOOTPRINT



### **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.

WON-TOP ELECTRONICS and are registered trademarks of Won-Top Electronics Co., Ltd (WTE). WTE has checked all information carefully and believes it to be correct and accurate. However, WTE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser of semiconductor devices any license under patent rights to manufacturer. WTE reserves the right to change any or all information herein without further notice.

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.

Won-Top Electronics Co., Ltd. No. 44 Yu Kang North 3rd Road,

Chine Chen Dist., Kaohsiung 806, Taiwan Phone: 886-7-822-5408 or 886-7-822-5410

Fax: 886-7-822-5417 Email: sales@wontop.com Internet: http://www.wontop.com

We power your everyday.