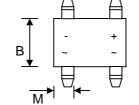
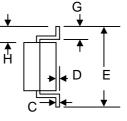


0.5A MINI SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Features

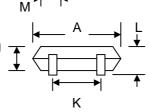
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Plastic Material UL Recognition Flammability Classification 94V-O





Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Weight: 0.22 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



MB-S						
Dim	Min	Max				
Α	4.50	4.90				
В	3.80	4.20				
С	0.006	6 0.35				
D	_	0.20				
E	_	7.0				
G	0.70	1.10				
H	1.30	1.70				
J	2.30	2.70				
κ	2.30	2.70				
L	_	3.00				
М	0.50	0.80				
All Dimensions in mm						

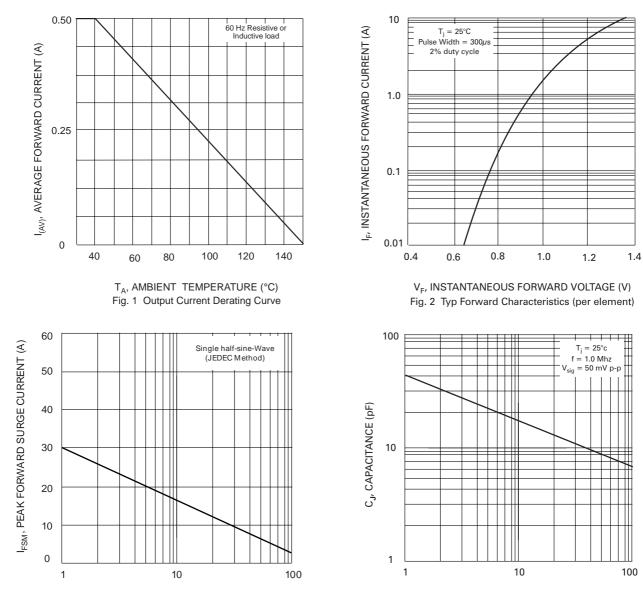
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

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

Characteristic		Symbol	B1S	B2S	B4S	B6S	B8S	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vr	100	200	400	600	800	v
RMS Reverse Voltage		VR(RMS)	70	140	280	420	560	V
Average Rectified Output Current $@T_A = 40^{\circ}C$		lo	0.5					А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30			А		
I ² t Rating for Fusing (t < 8.35ms)		l ² t	10				A ² s	
Forward Voltage per element	@I _F = 0.5A	Vfm			1.0			V
Peak Reverse Current At Rated DC Blocking Voltage	@T _A = 25°C @T _A = 125°C	I RM	5.0 500		μA			
Typical Junction Capacitance (per leg) (Note 1)		Cj	25			pF		
Typical Thermal Resistance (per leg) (Note 2)		RθJA	85			K/W		
Operating and Storage Temperature Range		Тj, Tsтg	-55 to +150			°C		

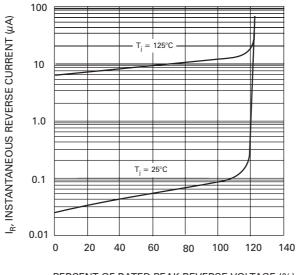
Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance junction to ambient mounted on PC board with 13mm² copper pads.



NUMBER OF CYCLES AT 60 Hz Fig. 3 Max Non-Repetitive Peak Forward Surge Current

V_R, REVERSE VOLTAGE (V) Fig. 4 Typ Junction Capacitance (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%) Fig. 5 Typ Reverse Characteristics (per element)

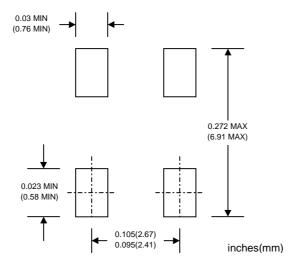
Product No.	Package Type	Shipping Quantity
B1S-T3	Mini Bridge SMD	3000/Tape & Reel
B2S-T3	Mini Bridge SMD	3000/Tape & Reel
B4S-T3	Mini Bridge SMD	3000/Tape & Reel
B6S-T3	Mini Bridge SMD	3000/Tape & Reel
B8S-T3	Mini Bridge SMD	3000/Tape & Reel

ORDERING INFORMATION

T3 suffix refers to a 13" reel.

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

RECOMMENDED FOOTPRINT



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