

## Surface Mount Glass Passivated Bridge Rectifiers

# Reverse Voltage - 50 to 1000 Volts Forward Current - 0.8 Amperes

#### **Features**

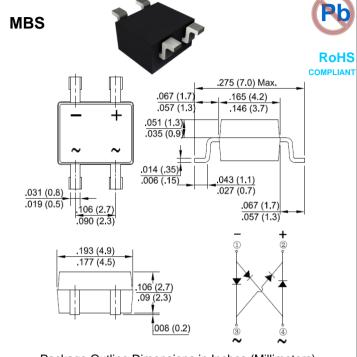
- Glass passivated chip
- Ideal for automatic placement
- High surge forward current capability
- Reliable low cost construction utilizing molded plastic technique
- Lead tin plated copper

## **Mechanical Data**

- Polarity: Symbol marked on body
- Mounting position: Any

## **Applications**

 General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc.



### Package Outline Dimensions in Inches (Millimeters)

## **Maximum Ratings and Electrical Characteristics**

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

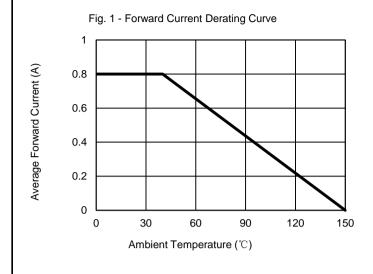
Symbol	B05S	B1S	B2S	B4S	B6S	B8S	B10S	Unit
VRRM	50	100	200	400	600	800	1000	V
VRMS	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
I(AV)	0.8							Α
lғsм	30							А
l <sup>2</sup> t	3.7						A <sup>2</sup> s	
VF	1.05							٧
lr	5 500							μΑ
Сл	15							pF
Reja	75							°C/W
TJ	-55 to +150							$^{\circ}$
Тѕтс	-55 to +150							$^{\circ}$
	VRRM VRMS VDC I(AV) IFSM I <sup>2</sup> t VF IR CJ Reja	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM I <sup>2</sup> t VF IR CJ R0JA TJ	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM I <sup>2</sup> t VF IR CJ Reja TJ	VRRM 50 100 200  VRMS 35 70 140  VDC 50 100 200  I(AV)  IFSM  I <sup>2</sup> t  VF  IR  CJ  RØJA  TJ	VRRM 50 100 200 400  VRMS 35 70 140 280  VDC 50 100 200 400  I(AV) 0.8  IFSM 30  I²t 3.7  VF 1.05  IR 500  CJ 15  RØJA 75  TJ -55 to +15	VRRM         50         100         200         400         600           VRMS         35         70         140         280         420           VDC         50         100         200         400         600           I(AV)         0.8           IFSM         30           I*FSM         3.7           VF         1.05           IR         5           500         500           CJ         15           RØJA         75           TJ         -55 to +150	VRRM         50         100         200         400         600         800           VRMS         35         70         140         280         420         560           VDC         50         100         200         400         600         800           I(AV)         0.8           IFSM         30           I*FSM         3.7           VF         1.05           IR         5           500         500           CJ         15           RØJA         75           TJ         -55 to +150	VRRM         50         100         200         400         600         800         1000           VRMS         35         70         140         280         420         560         700           VDC         50         100         200         400         600         800         1000           I(AV)         0.8           IFSM         30           I°         3.7           VF         1.05           IR         5           500         500           CJ         15           RØJA         75           TJ         -55 to +150

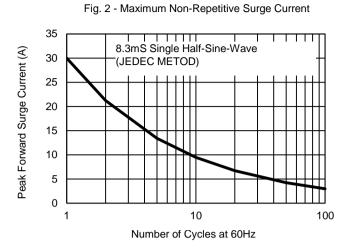
Notes:1.Mounted on P.C. board.

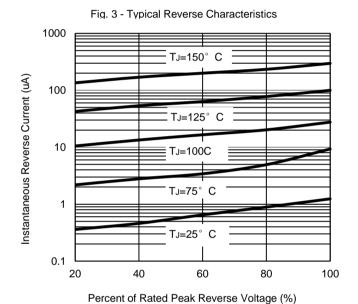
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. The typical data above is for reference only .

B\*S-13-92-00/01 Rev. 10, 1-Nov-2019









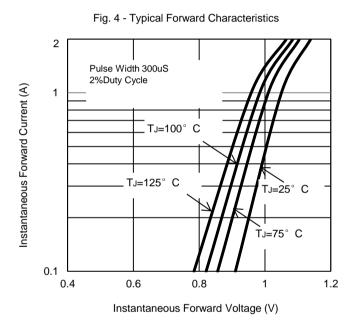
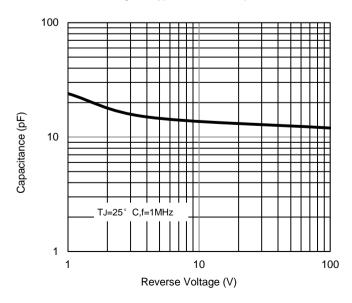


Fig. 5 - Typical Junction Capacitance



The curve above is for reference only.



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