

EMB1S THRU EMB6S

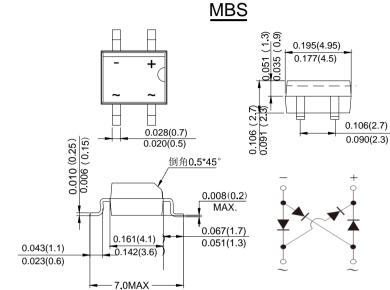
SINGLE PHASE 0.8AMP SUPER FAST GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
 Low leakage
 Ideal for printed circuit board
 Surge overload rating-30A peak
 Designed for Surface Mount Application
 - Plastic Material-UL Flammability 94V-0

Mechanical Data

- Case:Reliable low cost construction
 utilizing molded plastic technique
- Terminals:Plated Leads Solderable per MIL-STD-202,Method208
- · Polarity:As Marked on Case



- Mounting Position:Any
- Marking:Type Number

dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25° C ambient temperature unless otherwise specified. Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	EMB1S	EMB2S	EMB4S	EMB6S	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm	100	200	400	600	v
	VRWM					
	VDC					
RMS Reverse Voltage	VRMS	70	140	280	420	V
Average Rectified Output Current (Note 1)@Tc=100℃ (Note 2)@Tc=100℃	IF(AV)	0.5 0.8				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 < 8.3ms)	l ² t	3.735			A ² s	
Forward Voltage per element @IF=0.8A	Vfm	0.95 1.25		1.25	1.75	V
Peak Reverse Current @T₄=25℃ At Rated DC Blocking Voltage @T₄=125℃	lr	5.0 200			uA	
Maximum reverse recovery time (Note 3)	T _{RR}	35			ns	
Typical Junction Capacitance per leg (Note 4)	CJ	13				pF
Typical Thermal Resistance per leg	Reja	60				°C/W
	Rej∟	16				
Operating and Storage Temperature Range	Тј,Тѕтс	-55to+150				°C

Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad.

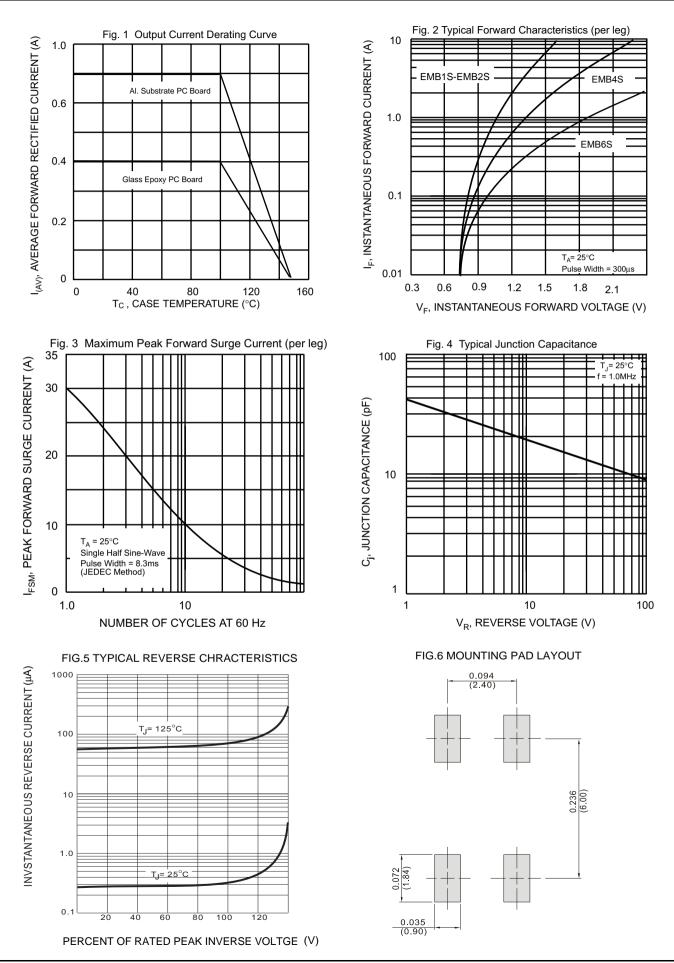
2. Mounted on aluminum substrate PC board with 1.3mm² solder pad.

3. Reverse Recovery Test Conditions: IF=0.5A, IR=1A, Irr=0.25A.

4. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



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