EMB1SU THRU EMB6SU

SINGLE PHASE 1.0AMP SUPER FAST GLASS PASSIVATED BRIDGE RECTIFIER

Features

Glass Passivated Die Construction

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- Low leakage
- Ideal for printed circuit board
- Surge overload rating-35A 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 CaseMounting Position:Any

60 0.195(4.95) 0.177(4.5) 35 51 0.106(2.7) 0.028(0.7) 0.106 0.090(2.3) 0.010 (0.25) 0.006 (0.15) 倒角**0.5*45**° 0.008(0.2) MAX. 0.067(1.7) 0.161(4.1) 0.051(1.3) 0.043(1.1) 0.142(3.6) 0.023(0.6) 7.0MAX

MBS

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%.

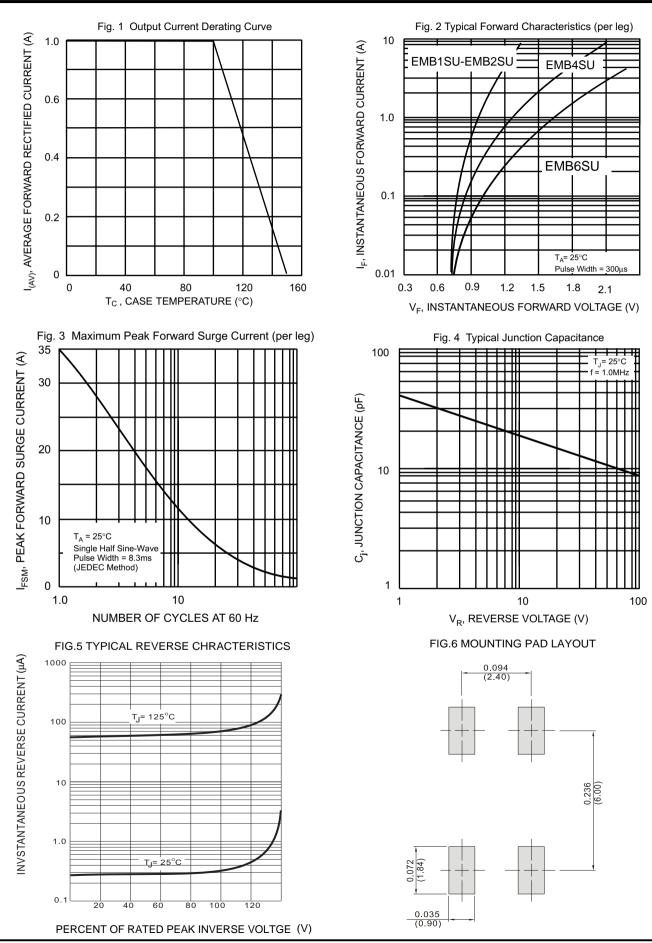
TYPE NUMBER	SYMBOL	EMB1SU	EMB2SU	EMB4SU	EMB6SU	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm	100	200	400	600	v
	VRWM					
	VDC					
RMS Reverse Voltage	Vrms	70	140	280	420	V
Average Rectified Output Current (Note 1)@T _c =100 $^{\circ}$ C	IF(AV)	1.0				А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ifsm	35				А
I ² t Rating for Fusing (t < 8.3ms)	l²t	5.084				A ² S
Forward Voltage per element @IF=1.0A	Vfm	0.95		1.25	1.7	V
Peak Reverse Current @T₄=25℃ At Rated DC Blocking Voltage @T₄=125℃	lĸ	5.0 200			uA	
Maximum reverse recovery time (Note 2)	T _{RR}	35			ns	
Typical Junction Capacitance per leg (Note 3)	CJ	13			pF	
Typical Thermal Resistance per leg	Reja	60			°C/W	
	Rejl	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. Reverse Recovery Test Conditions: IF=0.5A, IR=1A, Irr=0.25A.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



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