0.8A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

FEATURES:

Glass Passivated Chip Junction

Reverse Voltage - 100 to 1000 V

Forward Current - 0.8 A

High Surge Current Capability

Designed for Surface Mount Application

MECHANICAL DATA

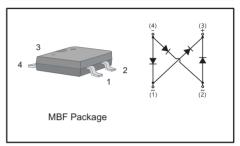
· Case: MBF

• Terminals: Solderable per MIL-STD-750, Method 2026

• Approx. Weight: 75mg 0.0026oz

PINNING

PIN	DESCRIPTION			
1	Input Pin (~)			
2	Input Pin (~)			
3	Output Anode (+)			
4	Output Cathode (-)			



Maximum Ratings and Electrical characteristics

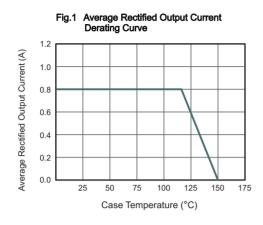
Ratings at 25 °C ambient temperature unless otherwise specified.

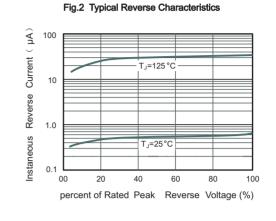
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

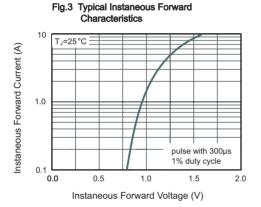
Parameter	Symbols	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ Fig.1	I _{F(AV)}	0.8						А
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30						А
Peak Forward Surge Current,1.0ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	60						А
I²t Rating for fusing (3ms≤t≤8.3ms)	l ² t	3.7						A ² S
Max Instantaneous Forward Voltage at 0.8 A	V _F	1.1					V	
Maximum DC Reverse Current $T_a = 25^{\circ}C$ at Rated DC Reverse Voltage $T_a = 125^{\circ}C$	I _R	5 40						μA
Typical Junction Capacitance (1)	Cj	7						pF
Typical Thermal Resistance (2)	R _{θJA} R _{θJC} R _{θJL}	45 15 25						°C/W
Operating and Storage Temperature Range	T_j , T_{stg}	-55 ~ +150						°C

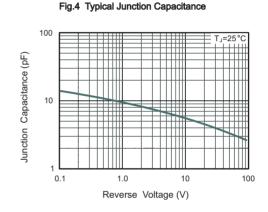
⁽¹⁾ Measured at 1 MHz and applied reverse voltage of 4 V D.C

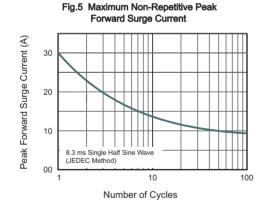
⁽²⁾ Mounted on glass epoxy PC board with $4\times1.5"\times1.5"$ (3.81×3.81 cm) copper pad.







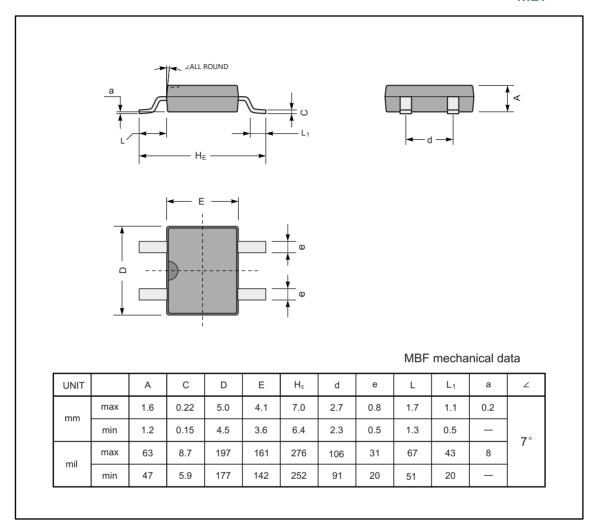




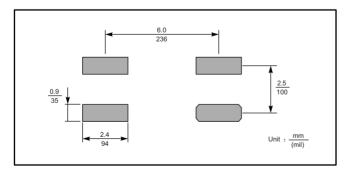
PACKAGE OUTLINE

Plastic surface mounted package; 4 leads

MBF



The recommended mounting pad size



Marking

Type number	Marking code			
MB1F	MB1F			
MB2F	MB2F			
MB4F	MB4F			
MB6F	MB6F			
MB8F	MB8F			
MB10F	MB10F			

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