

RMB1F THRU RMB10F

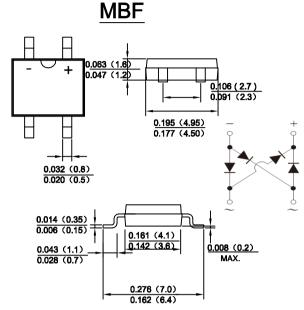
SINGLE PHASE 0.8AMP FAST GLASS PASSIVATED BRIDGE RECTIFIER

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: MB-F, molded plastic
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case
- Mounting position: Any
- · Marking: type number
- Lead Free: For RoHS / Lead Free Version,



dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

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

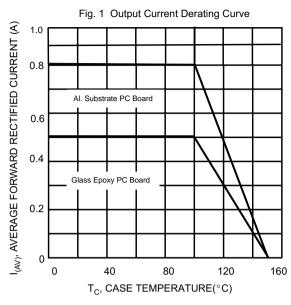
For capacitive load, derate current by 20%.

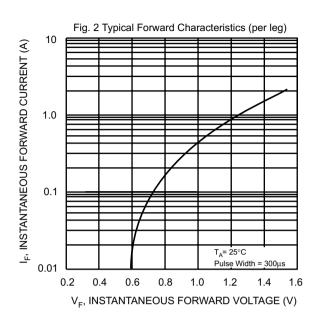
TYPE NUMBER	SYMBOL	RMB1F	RMB2F	RMB4F	RMB6F	RMB8F	RMB10F	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM	100	200	400	600	800	1000	V
	VRWM							
	VDC							
RMS Reverse Voltage	VRMS	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@Tc=100℃ (Note 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)	Ігэм	30						А
I ² t Rating for Fusing (t < 8.3ms)	l²t	3.735						A ² s
Forward Voltage per element @IF=1.0A	V _{FM}	1.3						V
Peak Reverse Current @Ta=25℃ At Rated DC Blocking Voltage @Ta=125℃	lr	5.0 200						uA
Maximum reverse recovery time (Note 3)	T_{RR}		150		250	5	00	ns
Typical Junction Capacitance per leg (Note4)	Сı	13						pF
Typical Thermal Resistance per leg	Reja	60						°C/W
	Rejl	16						
Operating and Storage Temperature Range	Т _J ,Тsтg		-55to+150					

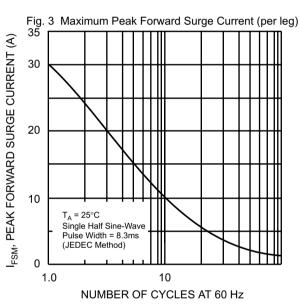
- Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad.
 - 2. Mounted on aluminum substrate PC board with 1.3mm² solder pad.
 - 3. Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A
 - 4. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

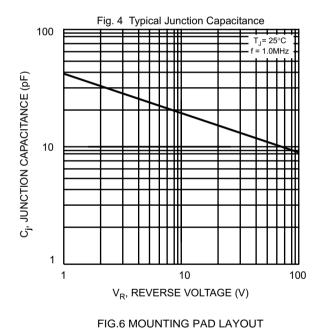


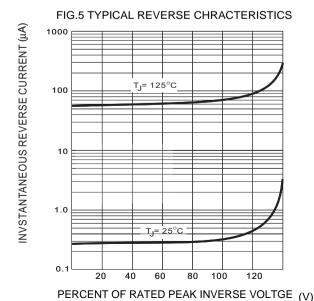
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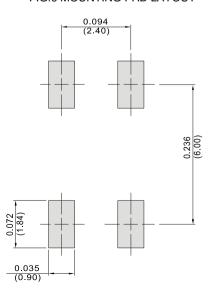














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