

## 0.5A Glass Passivated Bridge Rectifier

### Features

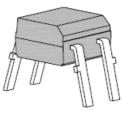
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Plastic Material UL Flammability 94V-0
- RoHS Compliant

### Mechanical Data

Case:	MBM, molded plastic						
Terminals:	Plated leads solderable per MIL-STD-202, method 208						
Polarity:	As marked on case						
Mounting Position:	Any						
Weight:	0.22 grams						

## **Maximum Ratings And Electrical Characteristics** (T<sub>amb</sub>=25°C)

Symbol	Description	MB1M	MB2M	MB4M	MB6M	MB8M	MB10M	Unit	Conditions
Vrrm	Max. Repetitive Peak Reverse Voltage	100	200	400	600	800	1000	V	
VRMS	Max. RMS Voltage	70	140	280	420	560	700	V	
VDC	Max. DC Blocking Voltage	100	200	400	600	800	1000	V	
lf(AV)	Average Rectified Output Current	0.5						А	Ta=40°C, Note 1
		0.8						A	TA=40°C, Note 2
Ігѕм	Non-Repetitive Peak Forward Surge Current	30						A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
VF	Forward Voltage per leg	1.0						V	IF=0.5A



MBM



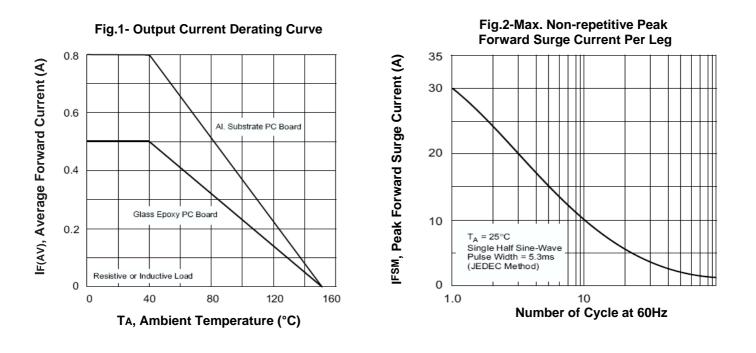
## MB1M – MB10M

Symbol	Description	MB1M	MB2M	MB4M	MB6M	MB8M	MB10M	Unit	Conditions
le	IR Max. Reverse DC Current At Rated DC Blocking Voltage per leg			5	.0	μΑ	TA=25°C		
IR				5	00	μA	TA=125°C		
l <sup>2</sup> t	Rating for Fusing (t<8.3ms)	3.73						A²s	
С	Typical junction capacitance per leg			2	25	pF	VR= 4V, f=1MHz		
RthJA	Typical Thermal	85						°C / W	Note 1
RthJL	Resistance per leg	20							
TJ,TSTG	Operating Junction and Storage Temperature Range			-55 to	o +150	°C			

**Note:** 1. Mounted on glass epoxy PC board with 1.3mm<sup>2</sup> solder pad.

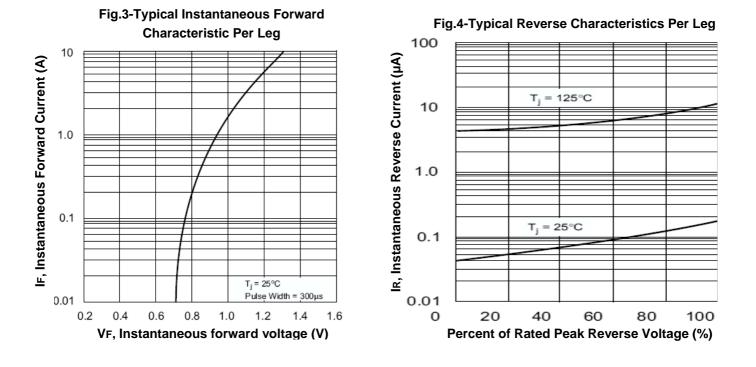
2. Mounted on aluminum substrate PC board with 1.3mm<sup>2</sup> solder pad.

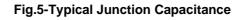
### **Typical Characteristics Curves**

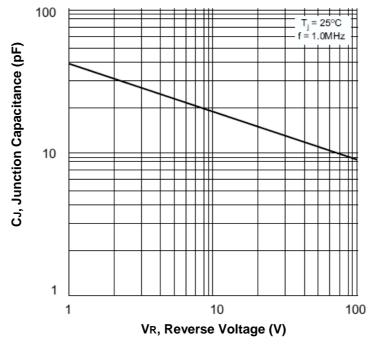




# MB1M – MB10M







Web Site: WWW.PS-PFS.COM