

# MB05F Thru MB10F

# SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

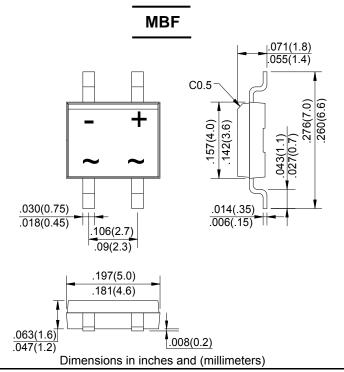
REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 0.8 Ampere

#### **FEATURES**

- •Rating to 1000V PRV
- •Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ●Lead tin plated copper

#### **MECHANICAL DATA**

- Polarity:Symbol molded on body
- •Mounting position :Any



## **MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25 ℃ ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

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CHARACTERISTICS	SYMBOL	MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward  Rectified Current (Note 1) @Ta=40 ℃	I(AV)	0.8							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							Α
Peak Forward Voltage at 0.8A DC	VF	1.1						V	
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=125℃	lR	5.0 500							μΑ
Typical Junction Capacitance Per Element (Note2)	Сл	15							pF
Typical Thermal Resistance (Note3)	Rejc	75						°C/W	
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\mathbb{C}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$

NOTES:1.Mounted on P.C. board.

- 2.Measured at1.0MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to case

### **RATING AND CHARACTERTIC CURVES**

