# MB05F thru MB10F

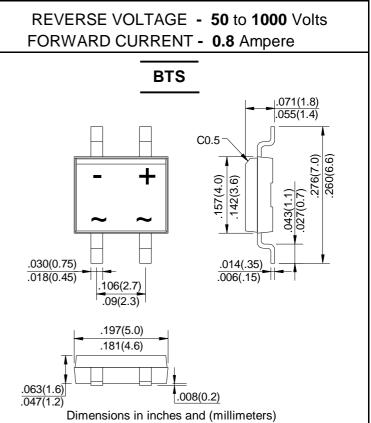
## SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

#### 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  $^\circ\!\!\!\!{}^\circ\!\!\!{}^\circ$  ambient temperature unless otherwise specified.

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

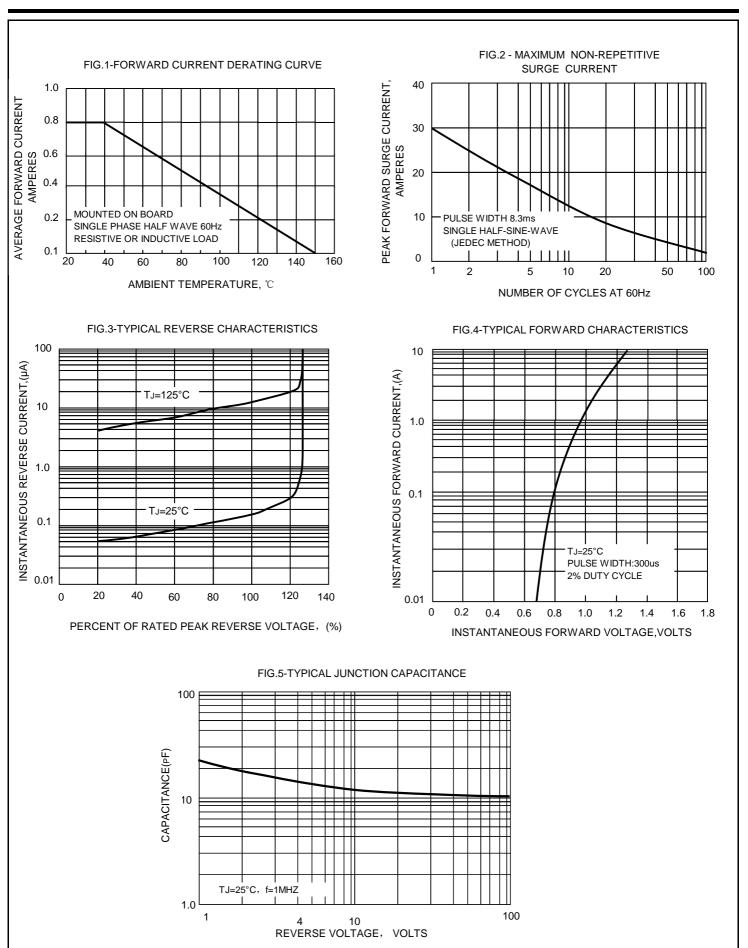
For capacitive load, derate current by 20%

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 °C	I(AV)	0.8							А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							A
Peak Forward Voltage at 0.8A DC	VF	1.1						V	
Maximum DC Reverse Current@TJ=25°Cat Rated DC Bolcking Voltage@TJ=125°C	lr	5.0 500							μA
Typical Junction Capacitance Per Element (Note2)	CJ	15							pF
Typical Thermal Resistance (Note3)	Rejc	75							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Тѕтс	-55 to +150							°C

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 MB05F thru MB10F

CHANGZHOU GUANGDA ELECTRONICS CO., LTD.