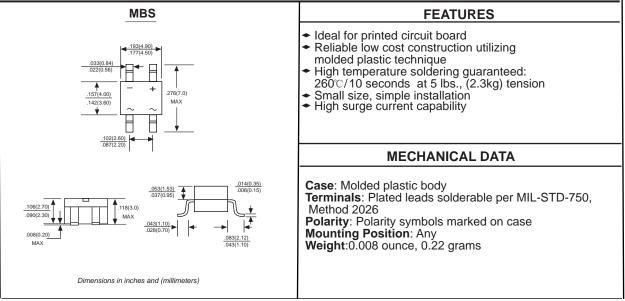
# **MB2S THRU MB10S**



## SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range - 200 to 1000 Volts Current 1.0 Ampere



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

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

SYMBOLS	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Vrrm	200	400	600	800	1000	VOLTS
Vrms	140	280	420	560	700	VOLTS
VDC	200	400	600	800	1000	VOLTS
0.8						
						Amps
	1.0					
IFSM 30					Amps	
\/r	1.0					Volts
VF						
	10.0					uA
IR		200				uA
Сл	15					pF
Rθja	75					°C/W
TJ	-55 to +150					°C
Тѕтс	-55 to +150					°C
	VRRM VRMS VDC IF(AV) IFSM VF IR CJ R()JA TJ	VRRM 200   VRMS 140   VDC 200   IF(AV) I   IFSM I   VF I   R CJ   R(J)A TJ	VRRM 200 400   VRMS 140 280   VDC 200 400   IF(AV) IF IF   IFSM VF IR   CJ R0JA TJ	VRRM 200 400 600   VRMS 140 280 420   Vbc 200 400 600   IF(AV) 0.8 1.0   IFSM 30 30   VF 1.0 10.0   IR 200 15   R0JA 75 75   TJ -55 to +15	VRRM 200 400 600 800   VRMS 140 280 420 560   Vbc 200 400 600 800   IF(AV) 0.8 1.0 0.8   IFSM 30 1.0 1.0   IFSM 30 200 1.0   IR 10.0 200 200 1.5   R0JA 75 TJ -55 to +150 1.5	VRRM 200 400 600 800 1000   VRMS 140 280 420 560 700   Vbc 200 400 600 800 1000   Vbc 200 400 600 800 1000   IF(AV) 0.8 1.0 1.0 1.0   IFSM 30 30 0.8 1.0 1.0   IFSM 30 1.0

NOTES:1.On glass epoxy P.C.B. mounted on 0.05x0.05"(1.3x1.3mm) pads 2.On aluminum substrate P.C.B. with on area of 0.8"x0.8"(20x20mm) mounted on 0.05X0.05"(1.3X1.3mm) solder pad 3.Measured at 1.0MHz and applied reverse voltage of 4.0 volts.



### **RATING AND CHARACTERISTIC CURVES (MB2S THRU MB10S)**

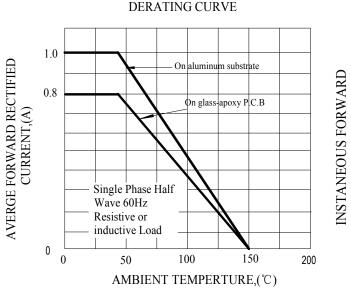


FIG.1-TYPICAL FORWARD CURRENT

#### FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

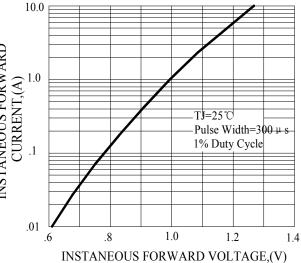


FIG.3-MAXIMUN NON-REPETITIVE FORWARD SURGE CURRENT

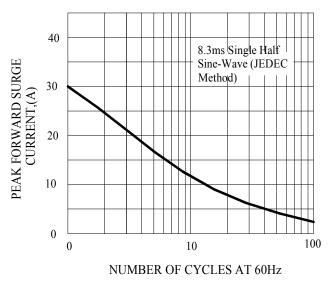


FIG.4-TYPICAL REVERSE CHARACTERISTICS

