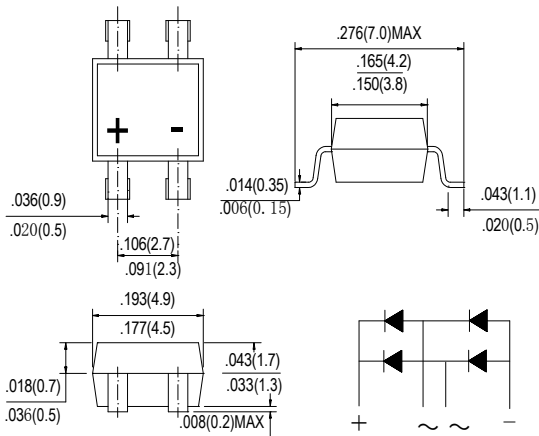


0.8A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

MBF



Dimensions in inches and (millimeters)

Features

- High surge current capability
- Ideal for printed circuit board
- Good for printed circuit board
- Glass passivated junctions
- Reliable low cost construction utilizing molded plastic technique
- Small size , simple installation
- High temperature soldering guaranteed: 260°C/10 seconds at terminals.

Mechanical Data

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: MIL-STD- 202E, Method 208 guaranteed
- Polarity: Symbols molded or marked on body
- Mounting position: Any
- Weight:0.125grams

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%

Type Number	SYM BOL	MB2F	MB4F	MB6F	MB8F	MB10F	units	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V	
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V	
Maximum DC blocking Voltage	V_{DC}	200	400	600	800	1000	V	
Maximum Average Forward rectified Current	$I_{F(AV)}$	On glass-apoxy P.C.B					0.8	A
		On aluminum substrate						
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	30					A	
Maximum Forward Voltage Drop per element at 0.4A DC	V_F	1.00					V	
Maximum DC Reverse Current at rated DC blocking voltage	I_R	@T _A =25°C					10.0	μA
		@T _A =125°C						
I ² t Rating for Fusing (t < 8.3ms)	Pt	3.74					A ² Sec	
Typical Junction Capacitance Per Leg(Note1)	C_J	13					pF	
Typical Thermal Resistance Per Leg(Note2)	$R_{(JA)}$	85					°C /W	
Storage Temperature	T_{STG}	-55 to +150					°C	
Operating Junction Temperature	T_J	-55 to +150					°C	

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

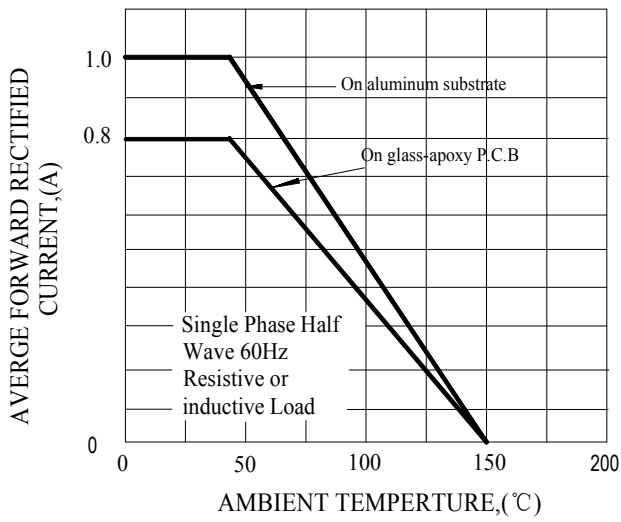


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

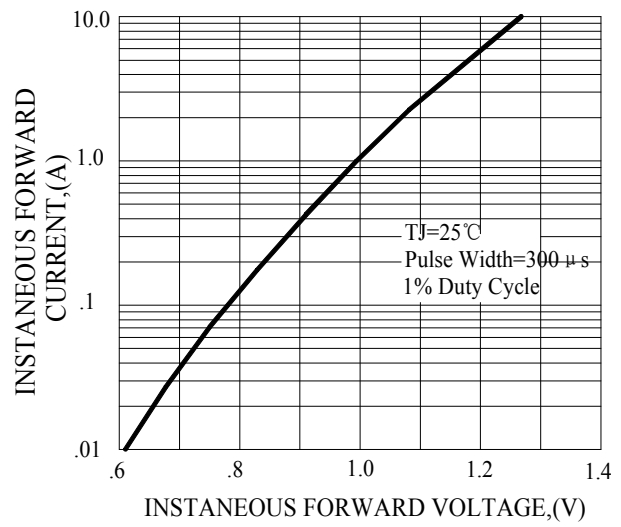


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

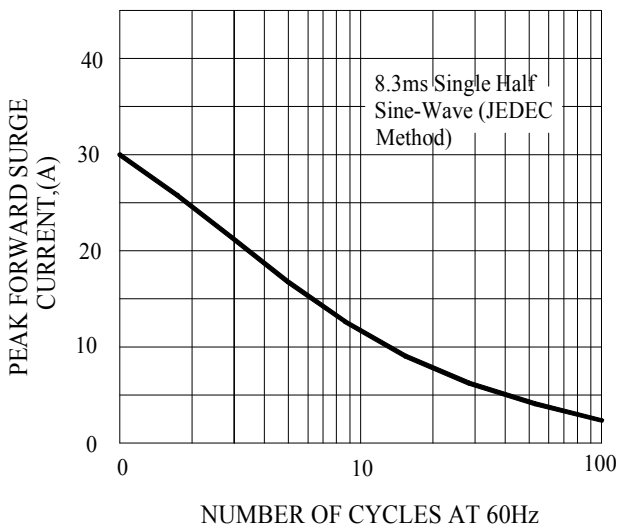


FIG.4-TYPICAL REVERSE CHARACTERISTICS

