

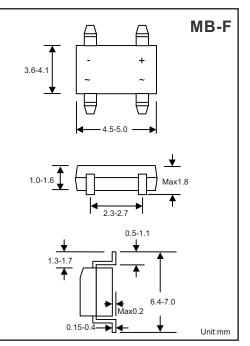


SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 100 to 1000 Volts CURRENT 0.8 Ampere

FEATURES

- * Surge overload rating 30 amperes peak
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded
- * Glass passivated device
- * Polarity symbols molded on body
- * Mounting position: Any



MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O

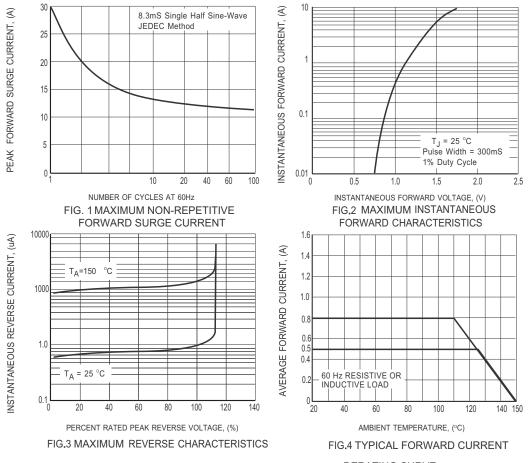
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

RATINGS	SYMBOL	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	UNITS		
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	100	200	400	600	800	1000	Volts	
Maximum RMS Bridge Input Voltage	V _{RMS}	70	140	280	420	560	700	Volts		
Maximum DC Blocking Voltage		V _{DC}	100	200	400	600	800	800 1000		
Maximum Average Forward Rectified Current	T _A = 125 °C		0.5							
	T _A = 110 °C	I ₀	0.8						Amps	
Peak Forward Surge Current 8.3 ms single half										
superimposed on rated load (JEDEC method)	FSM	30						Amps		
Peak Forward Surge Current 10 ms single half superimposed on rated load (JEDEC method)						Amps				
Typical Current Squarad Time	l ² t	3.74						A ² S		
Transis et The same et De sisters as (Nede 2)		R _{θJA}	64						. ∘c/w	
Typical ThermalResistance(Note2)		R _{θJL}	39] 0/10		
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150						°C		

CHARACTERISTICS	SYMBOL	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	UNITS	
Maximum Forward Voltage Drop per Bridge	N/								
Element at 0.8 A DC		VF	1.1						Volts
Maximum Reverse Current at Rated	@T _A = 25°C	b	1.0						uAmps
DC Blocking Voltage per element	@T _A =150 °C	I R	2						mAmps

NOTES:1.Typical Thermal Resistance : At 9.5mm lead lengths, PCB mounted.

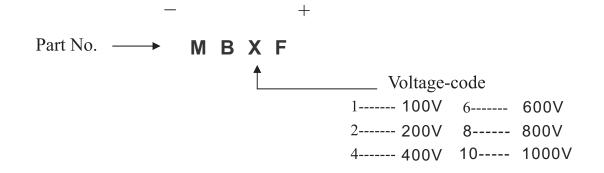
2021-12/18 REV:G





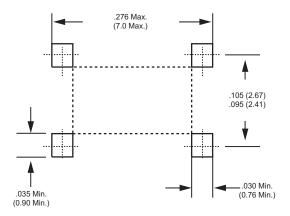


Marking Description





Mounting Pad Layout



Dimensions in inches and (millimeters)



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)		GROSS WEIGHT(Kg)
MB-F	-W	5,000	10,000			330	360*335*360	80,000	25.83

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