



MINI SURFACE MOUNT GLASS PASSIVATED SINGLE-PHASE BRIDGE RECTIFIER

1 Amper

VOLTAGE 400~1000 Volt CURRENT

Recongnized File #E111753

FEATURES

- Ultra Thin Profile Package for Space Constrained Utilization
- Glass Passivated Chip Junciton
- Ideally Suited for Automatic Assembly
- Save Space On Printed Circuit Boards
- Low Forward Voltage Drop
- Lead free in compliance with EU RoHS 2011/65/EU directive

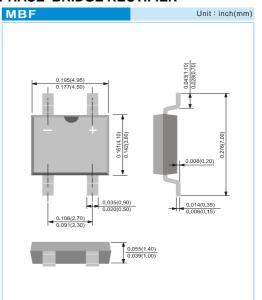
MECHANICAL DATA

· Case: MBF, Plastic

• Terminals : Solderable per MIL-STD-750, Method 2026

· Polarity: As Marked on case

• Approx weight: 0.00289 ounces, 0.0818 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

PARAMETER		SYMBOL	MB4F-10	MB6F-10	MB8F-10	MB10F-10	UNIT
Marking			MB4F1	MB6F1	MB8F1	MB10F1	
Maximum Recurrent Peak Reverse Voltage		VRRM	400	600	800	1000	٧
Maximum RMS Voltage		VRMS	280	420	560	700	٧
Maximum DC Blocking Voltage		VDC	400	600	800	1000	٧
Maximum Average Rectified Forward Current		l f(AV)	1			Α	
Peak Forward Surge Current : 8.3ms single half-sine-wave superimposed on rated load per diode		I FSM	30			Α	
Maximum Forward Voltage at 1A		VF	1.1			V	
Maximum DC Reverse Current at TJ=25°C		I R	5			μА	
Typical Thermal Resistance per diode	(Note 1)	Rөлс	30			°C/W	
Operating Junction Temperature Range		ΤJ	-55 to +150			°C	
Storage Temperature Range		Тѕтс	-55 to +150			°C	

Note:1.Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area

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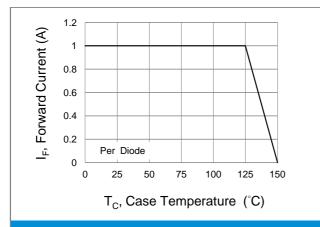


Fig.1 Forward Current Derating Curve

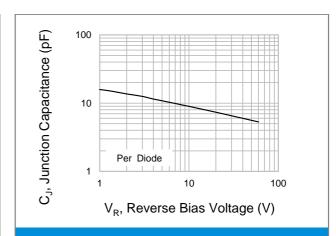


Fig.2 Typical Junction Capacitance

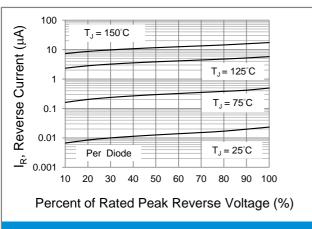


Fig.3 Typical Reverse Characteristics

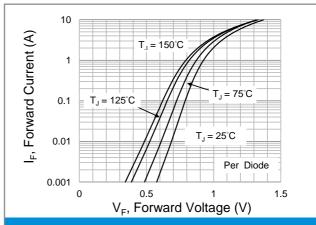


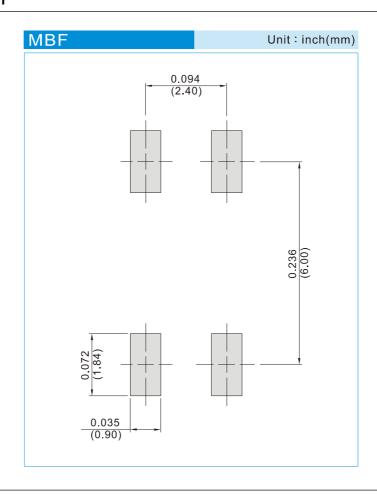
Fig.4 Typical Forward Characteristics

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MOUNTING PAD LAYOUT



ORDER INFORMATION

• Packing information

T/R - 5K per 13" plastic Reel

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