

MINI SURFACE MOUNT GLASS PASSIVATED SINGLE-PHASE BRIDGE RECTIFIER

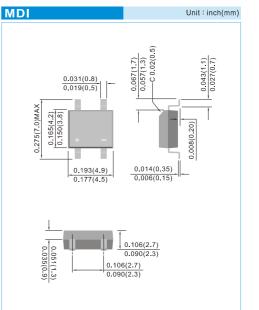
VOLTAGE 100 to 1000Volt CURRENT 0.8 Ampere

Recongnized File # E111753

FEATURES

• Plastic material used carries Underwriters Laboratory recognition 94V-O

- Low leakage
- Ideal for printed circuit board
- Exceeds environmental standards of MIL-S-19500
- Lead free in compliance with EU RoHS 2.0



MECHANICAL DATA

- Case: Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Terminals: Lead solderable per MIL-STD-750, Method 2026
- · Polarity: Polarity symbols molded or marking on body
- Weight: 0.0044 ounce, 0.1268 gram

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%

PARAMETER	SYMBOL	B1S	B2S	B4S	B6S	B8S	B10S	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V _{rms}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _R	100	200	400	600	800	1000	V
Maximum Average Forward Current Ta=55°C Ta=25°C	I _{F(AV)}	0.5 0.8						А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	35						А
Power Dissipation at TA=25°C	PD	1.4					w	
I²t Rating For Fusing (t<8.35ms)	I²t	5.083						A²S
Maximum Forward Voltage Drop per Bridge Element at 0.5A	V _F	1.0						V
Maximum DC Reverse Current at Rated DC T_=25°C Blocking Voltage T_=125°C	I _R	5 500						μA
Typical Junction Capacitance (Note 1)	C'	25					рF	
Typical Thermal Resistance (Note 2)	R _{eja} R _{ejl}	85 20						°C / W
Operating Junction and Storage Temperature Range	T _J , T _{stg}	-55 to +150					٥C	

NOTES :

1. Measured at 1MHz and applied reverse voltage of 4 Volts.

2. Thermal resistance from junction to ambient mounted on 5cmX6cm P.C.B. with minimum copper pads.



RATING AND CHARACTERISTIC CURVES

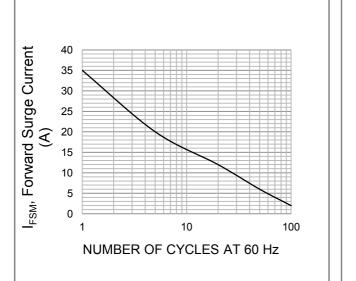


Fig.1 MAXIMUM NON-REPETITIVE SURGE CURRENT

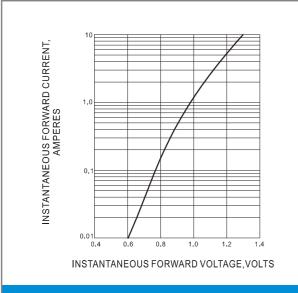


Fig.3 TYPICAL FORWARD CHARACTERISTICS

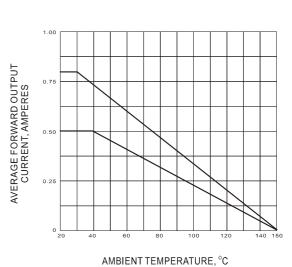


Fig.2 DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

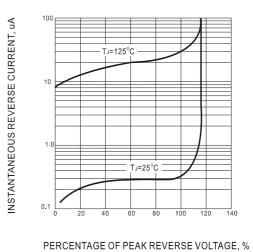
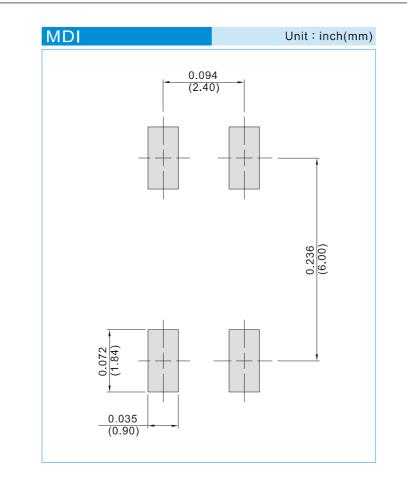


Fig.4 TYPICAL REVERSE CHARACTEISTICS



MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel



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