



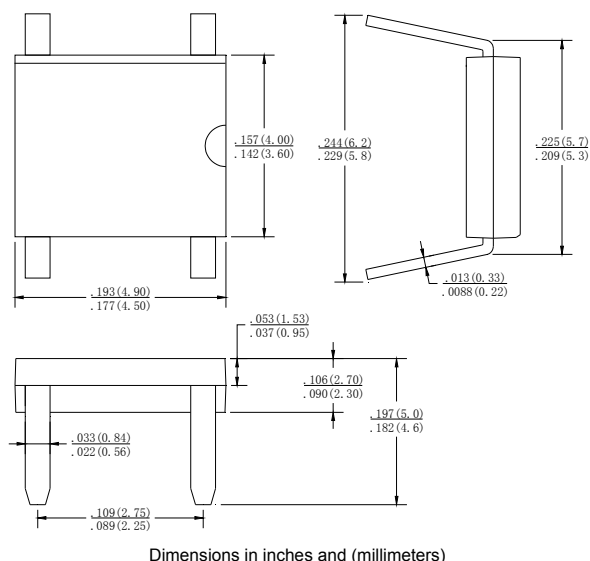
Features

- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed:
260°C / 10 seconds / 0.375" (9.5mm)
lead length at 5 lbs., (2.3 kg) tension

Mechanical Data

- Case: Molded plastic
- Lead: solder plated
- Polarity: As marked
- Weight : 0.140 grams

MBM



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number		MB2M	MB4M	MB6M	MB8M	MB10M	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	140	280	420	560	700	V
Maximum DC blocking Voltage	VDC	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA = 40°C	I(AV)	0.8					A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	30					A
Maximum Instantaneous Forward Voltage @ 0.8A	VF	1.1					V
Maximum DC Reverse Current @ TA=25°C rated DC blocking voltage per leg TA = 125°C	IR	5.0 500					μ A
Typical Thermal Resistance (Note)	R θ JC	75					°C/W
Operating Temperature Range	TJ	-55 to +150					°C
Storage Temperature Range	TSTG	-55 to +150					°C

NOTE: Thermal Resistance Junction to Case.

FIG.1-MAXIMUM NONO-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELELMENT

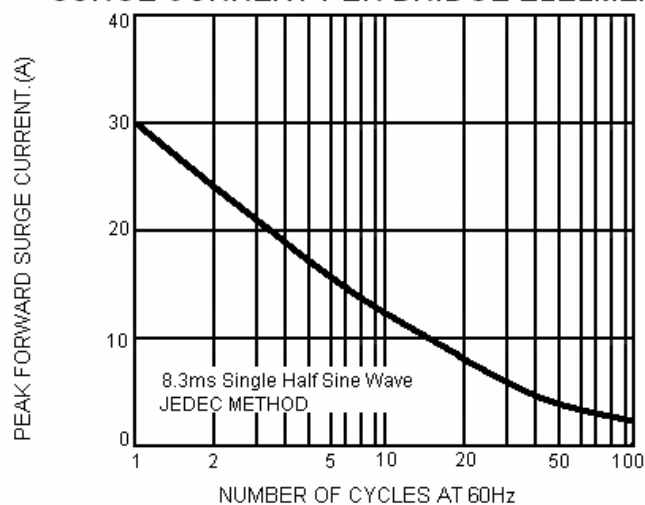


FIG.2-MAXIMUM FORWARD CURRENT DERATING CURVE

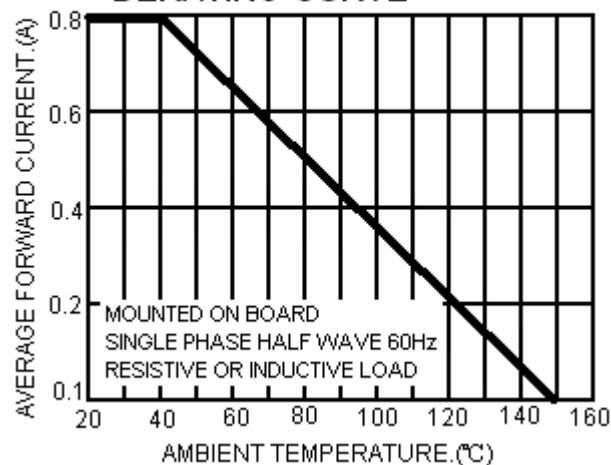


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

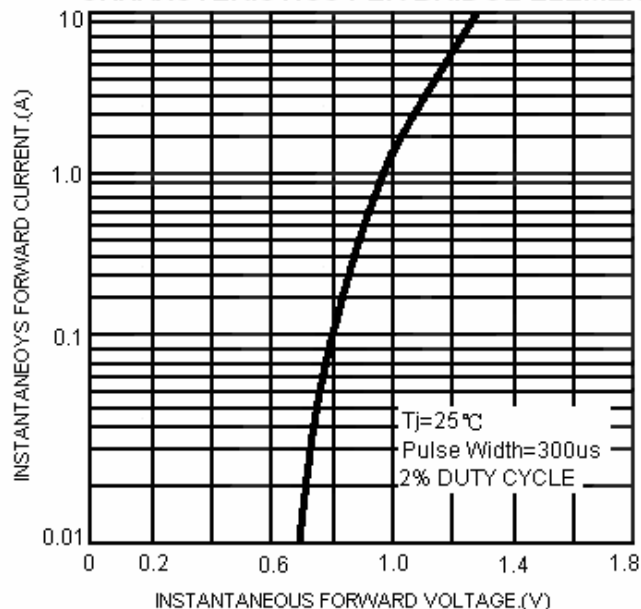


FIG.4-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

