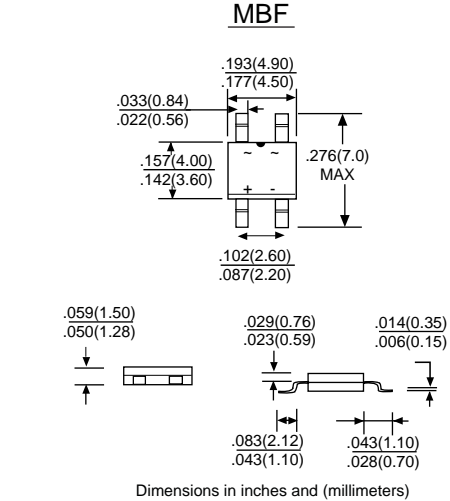


MB2F THUR MB10F

SINGLE PHASE 0.5 AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS	Voltage Range 200 to 1000 Volts
	Current 0.5 Amperes

Features

- *Ideal for printed circuit board
Reliable low cost construction utilizing molded plastic technique
- *High surge current capability
- *High temperature soldering guaranteed:
260°C / 10 seconds at 5 lbs.,(2.3kg) tension
- *Small size,simple installation
- *Leads solderable per MIL-STD-202 Method 208



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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

For capacitive load, derate current by 20%

Type Number		MB2F	MB4F	MB6F	MB8F	MB10F	UNITS
		MB2S	MB4S	MB6S	MB8S	MB10S	
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 at TA = 30°C	IF(AV)	0.5 0.8					A
On glass-epoxy P.C.B. On aluminum substrate							
Peak Forward Surge Current, 8.3 ms Single Half Sinewave Superimposed on Rated Load (JEDEC method)	IFSM	35					A
Maximum Instantaneous Forward Voltage Drop Per Leg@0.4A	VF	1.0					V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	5.0					uA
TA = 25°C TA = 100°C		100					
Typical Junction Capacitance Per Leg (Note3)	CJ	15					pF
Typical Thermal Resistance Per Leg	R*JA	75					°C/W
Operating Temperature Range	TJ	-55 to +150					°C
Storage Temperature Range	TSTG	-55 to +150					°C

Note: 1. On glass epoxy P.C.B mounted on 0.05x 0.05"(1.3x1.3mm)pads
 2. On aluminum substrate P.C.B with on area of 0.8" x 0.8"(20x20mm) mounted on 0.05x 0.05"(1.3x1.3mm)solder pad
 3. Measured at 1.0MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES MB2F THUR MB10F

