



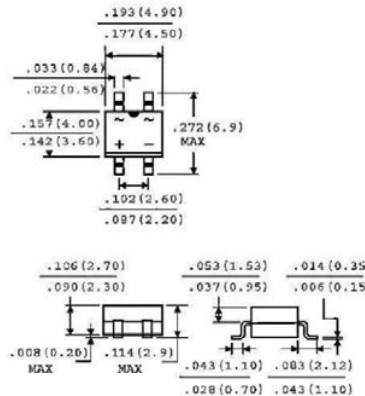
MBS2 - MBS10

Single Phase 0.8 AMPS. Glass Passivated Bridge Rectifiers

Features

- ✦ UL Recognized File # E-96005
- ✦ 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., (2.3 kg) tension
- ✦ Small size, simple installation
- ✦ Leads solderable per MIL-STD-202 Method 208
- ✦ Green compound with suffix "G" on packing code & prefix "G" on datecode.
- ✦ Weight: 0.123grams

MBS



Dimensions in inches and (millimeters)

Marking Diagram



MBSX = Specific Device Code
 G = Green Compound
 Y = Year
 M = Work Month

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	Symbol	MBS2	MBS4	MBS6	MBS8	MBS10	Units
Maximum Recurrent 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 On glass-epoxy P.C.B. On aluminum substrate	I(AV)	0.5 0.8					A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	35					A
Maximum Instantaneous Forward Voltage @ 0.4A	VF	1.0					V
Maximum DC Reverse Current @ TA=25 °C at Rated DC Blocking Voltage @ TA=125 °C	IR	5.0 100					uA uA
Typical Junction Capacitance Per Leg (Noted 1)	Cj	13					pF
Typical Thermal Resistance (Noted 2) (Notes 3) (Noted 2)	REJA REJA REJL	85 70 20					°C/W
Operating Temperature Range	TJ	-55 to +150					°C
Storage Temperature Range	TSTG	-55 to +150					°C

Note: 1. Measured at 1.0MHz and Applied Reverse Voltage of 4.0 Volts D.C.
 2. On glass epoxy P.C.B mounted on 0.05x0.05"(1.3x1.3mm) pads
 3. On aluminum substrate P.C.B with an area of 0.8"x0.8"(20x20mm) mounted on 0.05x0.05"(1.3x1.3mm) solder pads

RATINGS AND CHARACTERISTIC CURVES (MBS2 THRU MBS10)

