


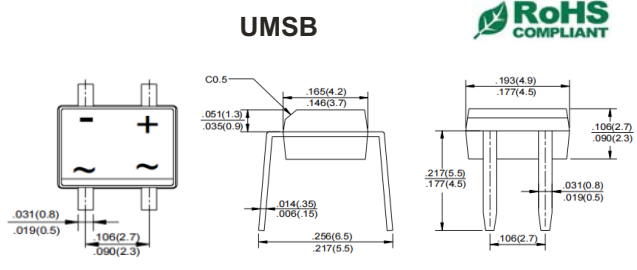
0.8Amp Glass passivated Bridge Rectifiers




MB05M-MB10M

Features:

- Super fast switching time for high efficiency
- Low forward voltage,
- Low reverse leakage current
- High current capability
- Plastic material has UL flammability classification 94V-0



UMSB



PINNING

PIN	DESCRIPTION
1	Output Anode (+)
2	Output Cathode (-)
3	Input Pin (~)
4	Input Pin (~)

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 current derate by 20%.

	Symbols	MB05M	MB10M	MB20M	MB40M	MB60M	MB80M	MB100M	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current (see Fig. 1) on glass-epoxy P.C.B (Note 2) on aluminum substrate (Note 3)	I _(AV)				0.5 0.8				Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	I _{FSM}				30				Amp
Maximum Forward Voltage at 0.4A DC and 25	V _F				1.0				Volts
Maximum Reverse Current at T _A =25 at Rated DC Blocking Voltage T _A =125	I _R				5.0 500				uAmp
Typical Junction Capacitance (Note 1)	C _J				13				pF
Typical Thermal Resistance (Note 3)	R _{0JA}				70				/W
Typical Thermal Resistance (Note 2)	R _{0JL}				20				/W
Operating and Storage Temperature Range	T _J , T _{stg}				-55 to +150				

NOTES:

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

Typical Characteristics

