



0.8Amp Glass passivated Bridge Rectifiers



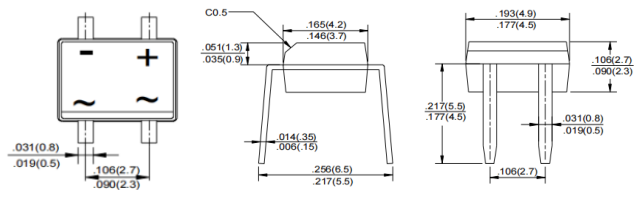
MB05M-MB10M

Features:

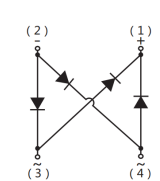
- Super fast switching time for high efficiency
- Low forward voltage,
- Low reverse leakage current
- High current capability
- Plastic material has UL flammability classification 94V-0



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	

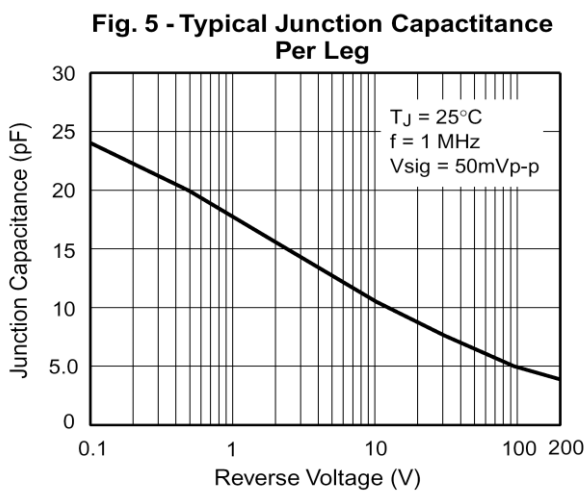
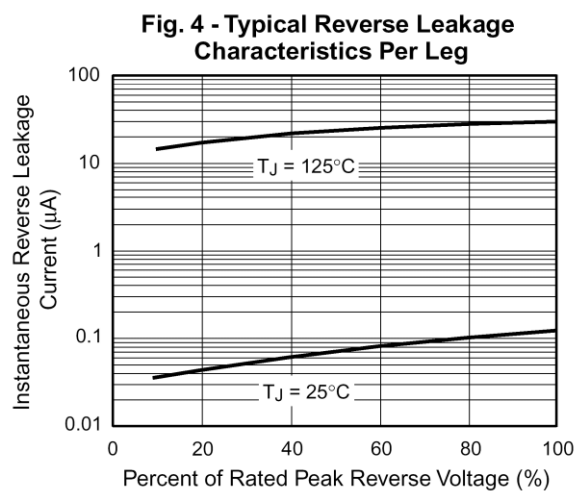
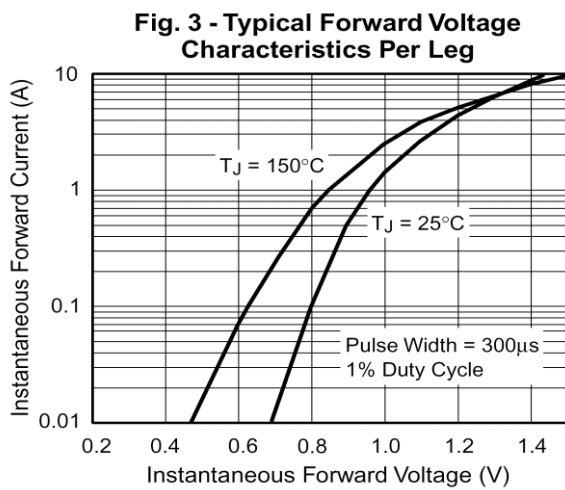
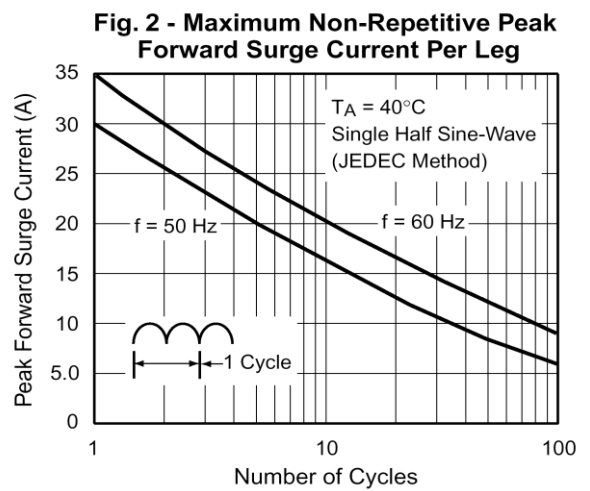
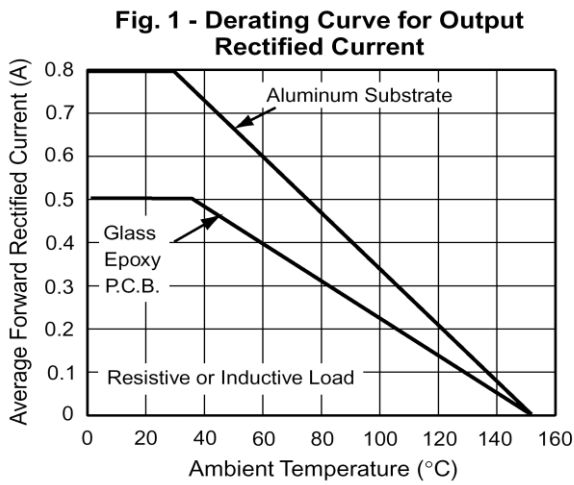
NOTES:

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



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