

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
at Ta=40°C(Note 1)		0.8						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	3 0						A	
Maximum Forward Voltage Drop per Bridge Element at 0.4A D.C.	1.0						V	
Maximum DC Reverse Current Ta=25°C	5.0						A	
at Rated DC Blocking Voltage Ta=125°C	500							A
Typical Thermal Resistance R JA (Note 2)	75						°C/W	
Operating Temperature Range, TJ		-55-+150						°C
Storage Temperature Range, Tsтс		-55-+150						°C

NOTES: 1. Mounted on P.C. Board.

2. Thermal Resistance Junction to Ambient.

