

Features

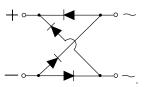
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: Symbol molded on body
- * Mounting position: Any
- * Weight: 0.12 grams

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)		
MB05S-MB10S	MBS	MB*S	3000		

*:From 05-10





Internal Structure

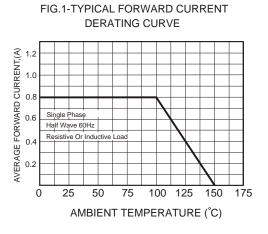
Maxmim Ratings (Ta=25 unless otherwise noted)

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

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



RATING AND CHARACTERISTIC CURVES (MB05S THRU MB10S)



SURGE CURRENT 50 PEAK FORWAARD SURGE CURRENT,(A) 40 30 8.3ms Single Hal Tj=25°C Sine Wave 20 JEDEC method 10 0 1 5 10 50 100 NUMBER OF CYCLES AT 60Hz

FIG.2-MAXIMUM NON-REPETITIVE FORWARD

FIG.3-TYPICAL FORWARD

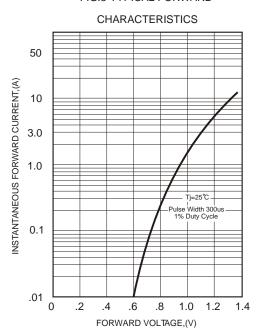
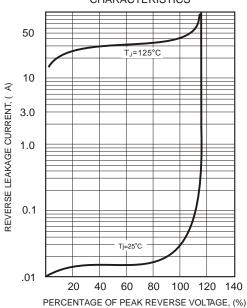
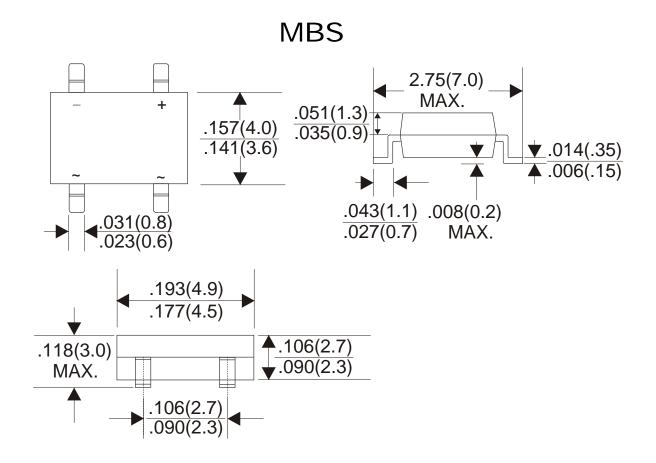


FIG.4-TYPICAL REVERSE CHARACTERISTICS







Dimensions in inches and (millimeters)



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