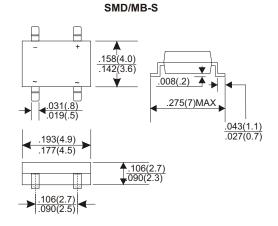
## **MB05S THRU MB10S**

### MINI SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS



#### **Features:**

- \* Ideal for printed circuit board
- \* Reliable low cost construction utilizing molded plastic technique
- \* High surge current capability
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Weight: 1.0 grams
- \* Both normal and Pb free product are available:
- \* Normal:80~95%Sn,5~20%Pb
- \* Pb free:99 Sn above can meet Rohs enviroment substance directive request



Dimensions in inches and (millimeters)

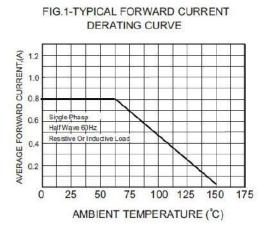
# MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

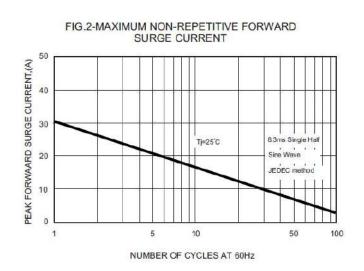
Rating 25 °C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

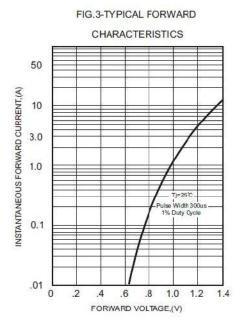
TYPE NUMBER	MB05S	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current		ı						
.375"(9.5mm) Lead Length at Ta=40°C	0.8							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	30						Α	
Maximum Forward Voltage Drop per Bridge Element at 0.4A D.C.	1.0							V
Maximum DC Reverse Current Ta=25°C	5							uA
at Rated DC Blocking Voltage Ta=125°C	500							uA
Operating Temperature Range, Tj	-65 <u>+</u> 150							°C
Storage Temperature Range, TSTG	-65 <u>+</u> 150							°C

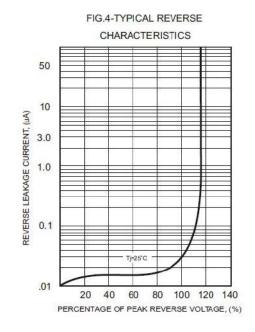
Rer.A 05.2020 Kingwell Corp. 1/2

### RATING AND CHARACTERISTIC CURVES (MB05S THRU MB10S)









Rer.A 05.2020 Kingwell Corp. 2/2