

MB2S 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 environment substance directive request

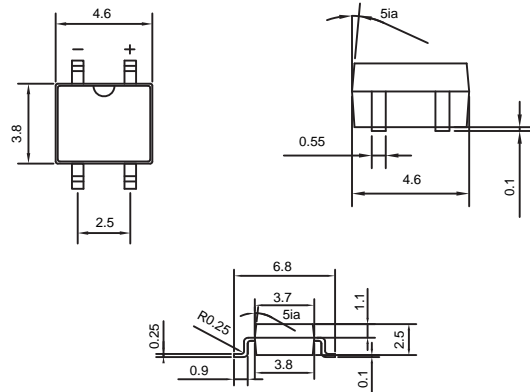
VOLTAGE RANGE

200 to 1000 Volts

CURRENT

0.8 Ampere

MB-S



MBS 平脚剪脚后尺寸 8.5+/-0.02mm

MBS 材料外型图

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	MB2S	MB4S	MB6S	MB8S	MB10S	UNITS	
Maximum Recurrent Peak Reverse Voltage	100	400	600	800	1000	V	
Maximum RMS Voltage	70	280	420	560	700	V	
Maximum DC Blocking Voltage	100	400	600	800	1000	V	
Maximum Average Forward Rectified Current							
.375"(9.5mm) Lead Length at Ta=40°C						0.8	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)						30	A
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 — +150	°C
Storage Temperature Range, TSTG						-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (MB2S THRU MB10S)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

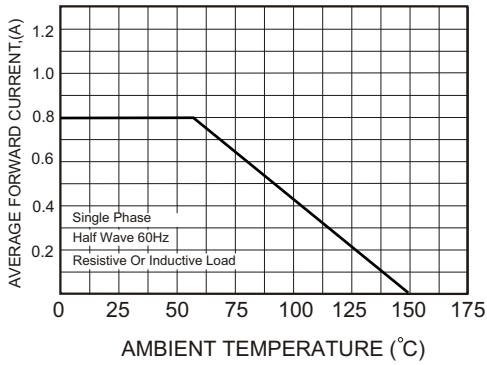


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

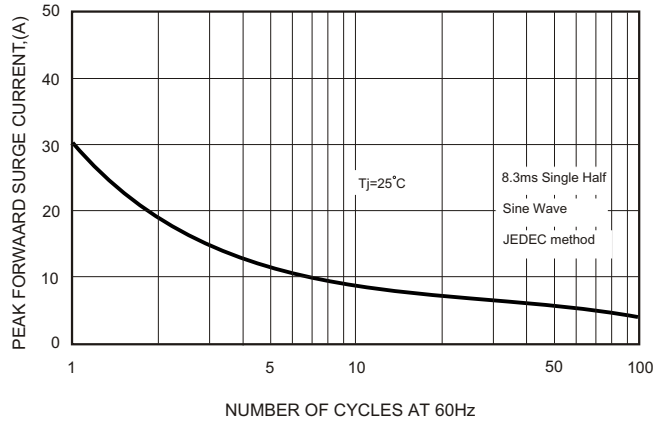


FIG.3-TYPICAL FORWARD CHARACTERISTICS

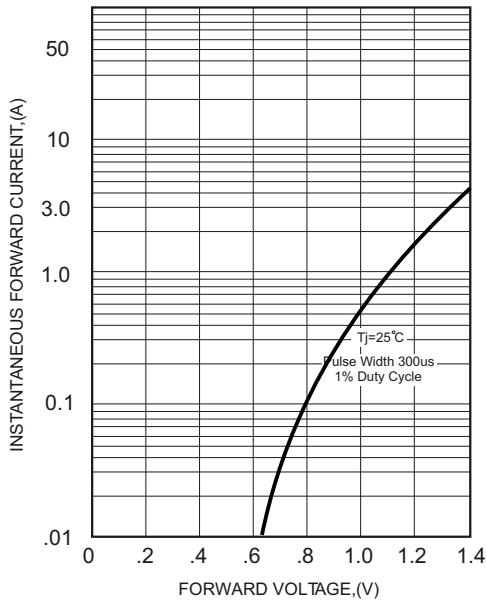


FIG.4-TYPICAL REVERSE CHARACTERISTICS

