RMB2S THRU RMB10S

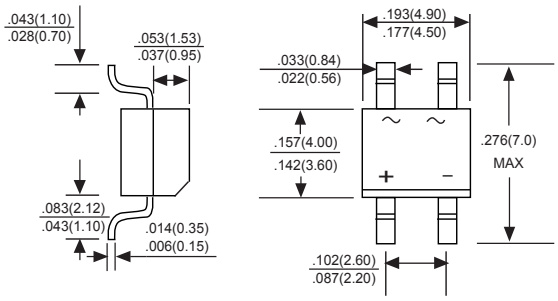
Voltage Range - 200 to 1000 V olts Current - 0.5/0.8 Ampere

GLASS PASSIVATED FAST RECOVERY BRIDGE RECTIFIERS

Features

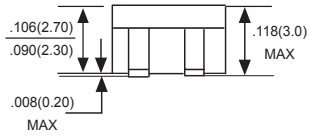
MBS RoHS COMPLIANT

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 260°/10 seconds at 5 lbs., (2.3kg) tension
- Small size, simple installation
- High surge current capability



Mechanical Data

Case : JEDEC MBS Molded plastic body
Terminals : Solder plated, solderable per MIL-STD-750,Method 2026
Polarity : Polarity symbol marking on body
Mounting Position : Any
Weight : 0.0035 ounce, 0.1 grams



Dimensions in inches and (millimeters)

Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unlss otherwise specified.

Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

Parameter	SYMBOLS	RMB2S	RMB4S	RMB6S	RMB8S	RMB10S	UNITS
Marking Code		MDD RMB2S	MDD RMB4S	MDD RMB6S	MDD RMB8S	MDD RMB10S	
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
Maximum average forward rectified current On glass-epoxy P.C.B.(Note1) On aluminum substrate(Note2)	$I_{F(AV)}$	0.5 0.8					A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30					A
Maximum instantaneous forward voltage drop per leg at 0.4A	V_F	1.3					V
Maximum DC reverse current T_A=25°C at rated DC blocking voltage T_A=100°C	I_R	5 500					uA uA
Maximum reverse recovery time	t_{rr}	150		250	500		pF
Typical thermal resistance	$R\theta_{JL}$ $R\theta_{JA}$	28 85					°C/W
Operating temperature range	T_J	-55 to +150					°C
storage temperature range	T_{STG}	-55 to +150					°C

Note: 1. Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A.
2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

Ratings And Characteristic Curves

FIG.1 FORWARD DERATING CURVE

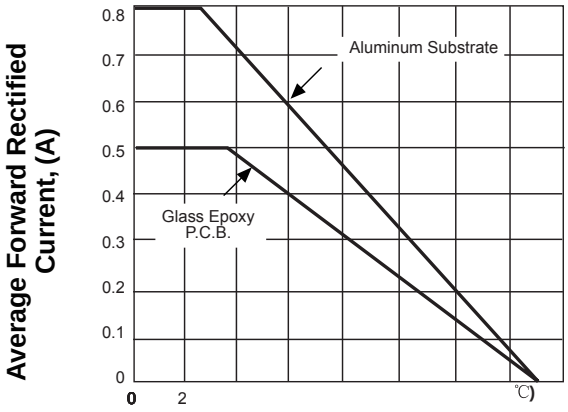


FIG.2 PEAK FORWARD SURGE CURRENT

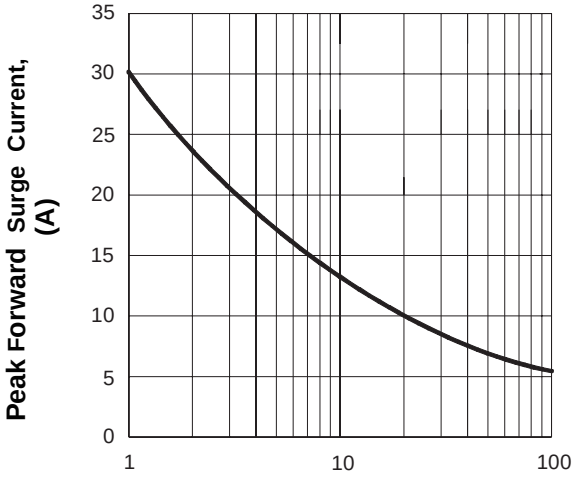


FIG.3 TYPICAL FORWARD CHARACTERISTICS

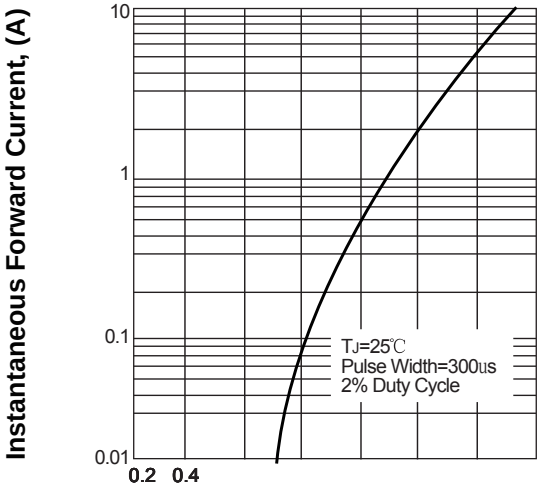
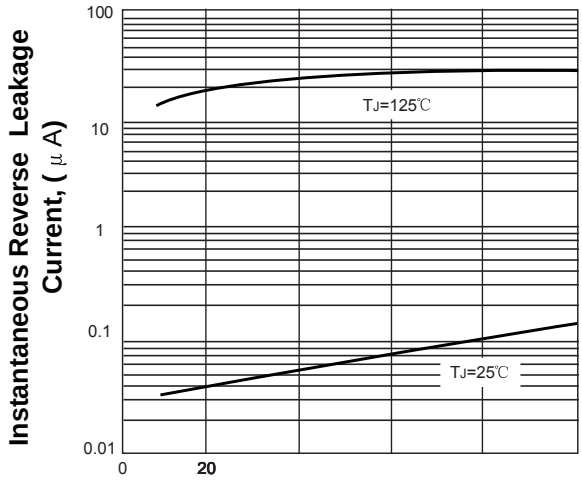


FIG.4 TYPICAL REVERSE CHARACTERISTICS



The curve above is for reference only.