MB1S~MB10S

ROHS

Surface Mount Glass Passivated Bridge Rectifier

Features

- ♦ High Surge Current Capability
- ◆ Glass Passivated Chip Junction
- ◆ Designed for Surface Mount Application



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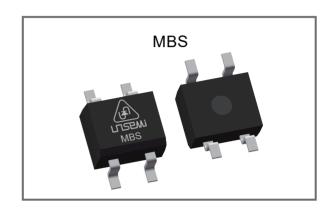
Mechanical Data

◆ Case: MBS

◆ Quantity Per Reel: 3,000pcs

◆ Approx. Weight: 100mg /0.0035oz

◆ Terminals: Solderable per MIL-STD-750, Method 2026



Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

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

Parameter		Symbol	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S	Units	
Maximum Repetitive Peak Reve	VRRM	100	200	400	600	800	1000	V		
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V		
Maximum DC Blocking Voltage		VDC	100	200	400	600	600 800 1000			
Maximum Average Forward Rect at Tc=125°C	aximum Average Forward Rectified Current : Tc=125℃ 0.8							А		
Peak Forward Surge Current,8.3 Half Sine-wave Superimposed of	IFSM	30						А		
Maximum Forward Voltage	at 0.4A	VF	1.0						V	
Maximum Forward Voltage	at 0.8A	VF			1	.1	560			
Maximum DC Reverse Current	Ta=25 ℃	lR	5.0						μΑ	
at Rated DC Blocking Voltage	Ta=125℃	lR			4	0] "	
Typical Junction Capacitance (1) Cj 13					3					
Typical Thermal Resistance ⁽²⁾		$R_{\theta JA}$	90						- °C/W	
Typical Moman Rosiotanio		R _{eJC}			3	32				
Operating and Storage Tempera	TJ,Tstg	-55 ~ +150						${\mathbb C}$		

Note: (1) Measured at 1MHz and applied reverse voltage of 4 VDC.

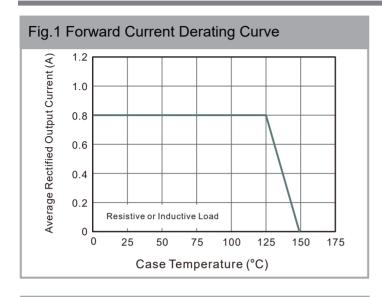
(2) Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81cm) copper pad.

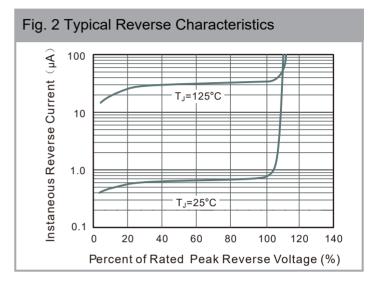


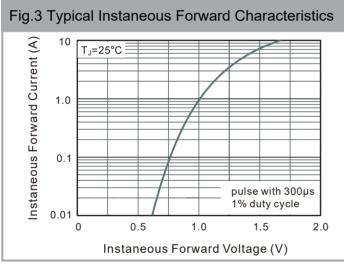
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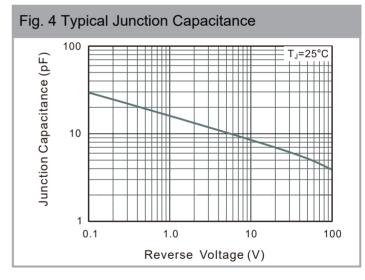
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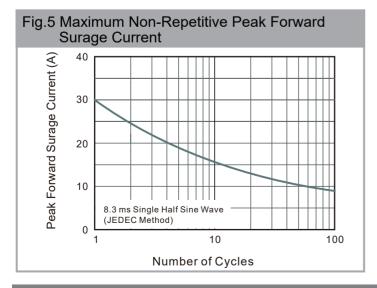
Electrical Characteristics Curves









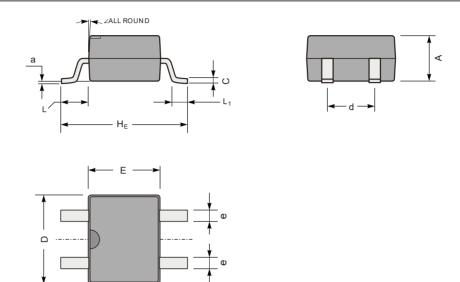




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Package Outline & Dimensions



UNIT		А	С	D	Е	HE	d	е	L	L ₁	а	
mm	max	2.6	0.22	5.0	4.1	7.0	2.7	0.7	1.7	1.1	0.2	
mm	min	2.2	0.15	4.5	3.6	6.4	2.3	0.5	1.3	0.5	_	70
ma il	max	102	8.7	197	161	276	106	28	67	43	8	1
mil	min	94	5.9	177	142	252	91	20	51	20	-	

Marking

Type Number	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S
Making	MB1S	MB2S	MB4S	MB6S	MB8S	MB10S



ROHS

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