MB2S THRU MB10S

Bridge rectifier

Essential information; basic information

Features

- Ideal for automated placement
- High surge current capability
- LF maximum peak of 260 ° C

Typical Applications

General purpose use in high frequency AC/DC bridge full wave rectification for power supply, lighting ballast, battery charger, home appliances, office equipment, and telecommunication applications.

Mechanical Data

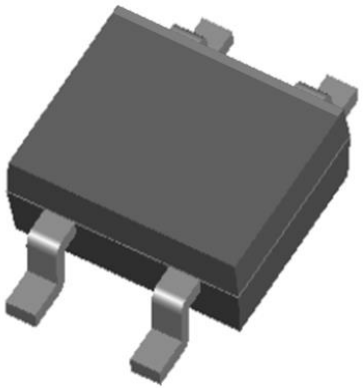
- Package: MBS

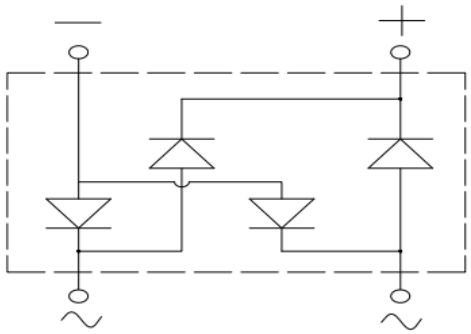
Molding compound meets UL 94 V-0 flammability rating,

- Terminals: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

- Polarity: As marked on body

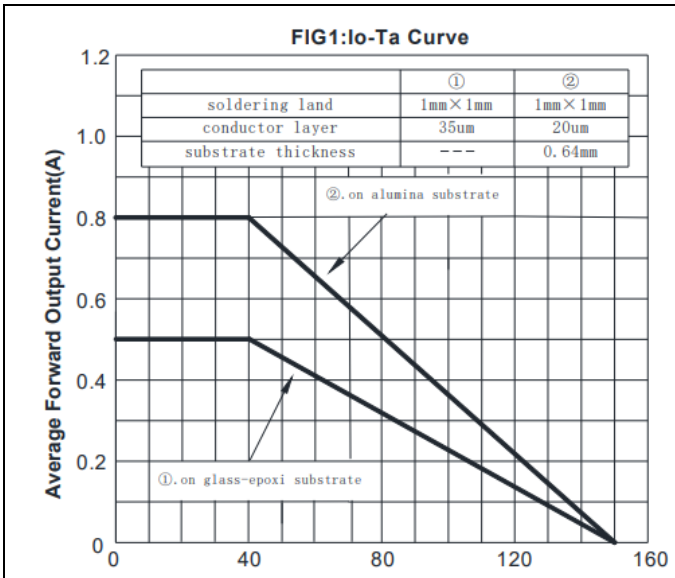




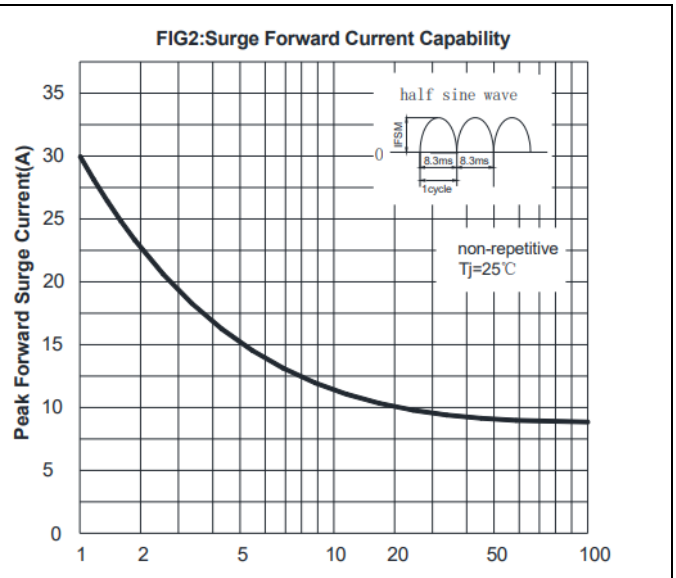
Maximum Ratings (Ta=25℃ Unless otherwise specified）

PARAMETER		SYMBOL	UNIT	MB2S	MB4S	MB6S	MB8S	MB10S
Maximum Repetitive peak reverse voltage		VRRM	V	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, Ta=25℃	On alumina substrate	IO	A	0.8				
	On glass-epoxi substrate			0.5				
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle,		IFSM (Tj=25℃)	A	30				
Storage temperature		Tstg	℃	-55 ~ +150				
Junction temperature		Tj	℃	-55 ~ +150				
Maximum instantaneous forward voltage drop per diode		VF（IFM=0.8A）	V	1.1				
Maximum DC reverse current at rated DC blocking voltage per diode		IR（Tj =25℃）	μA	5				
		IR（Tj =125℃）		100				

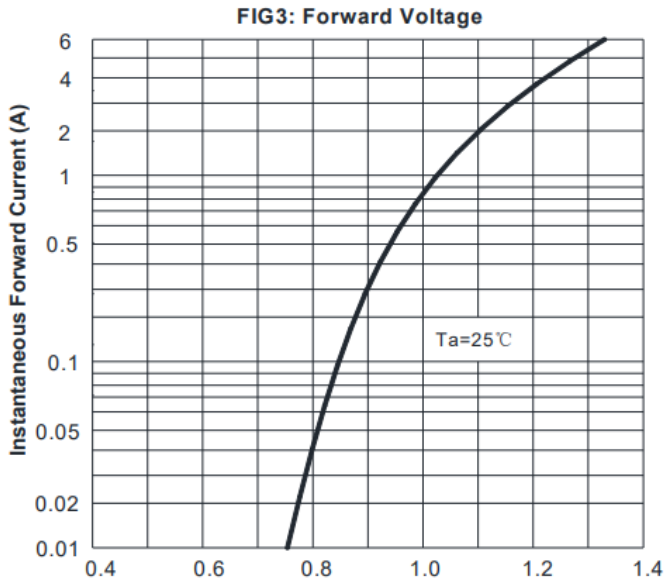
Characteristics (Typical)



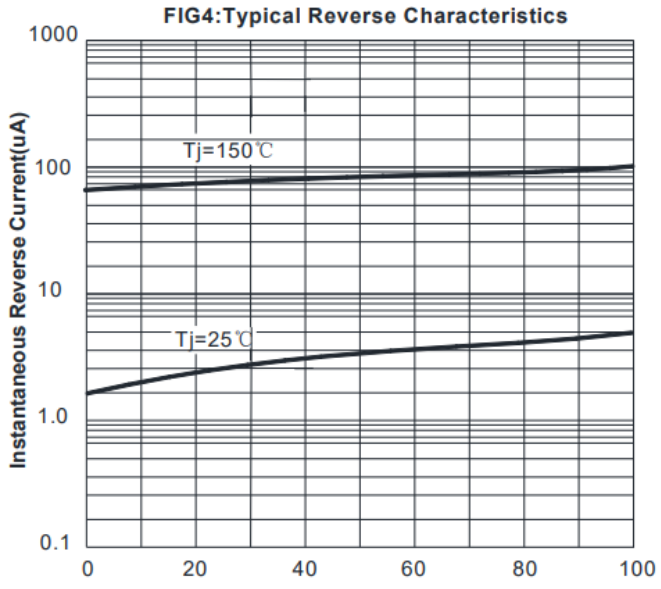
Ambient Temperature (℃)



Number of Cycles



Instantaneous Forward Voltage(V)

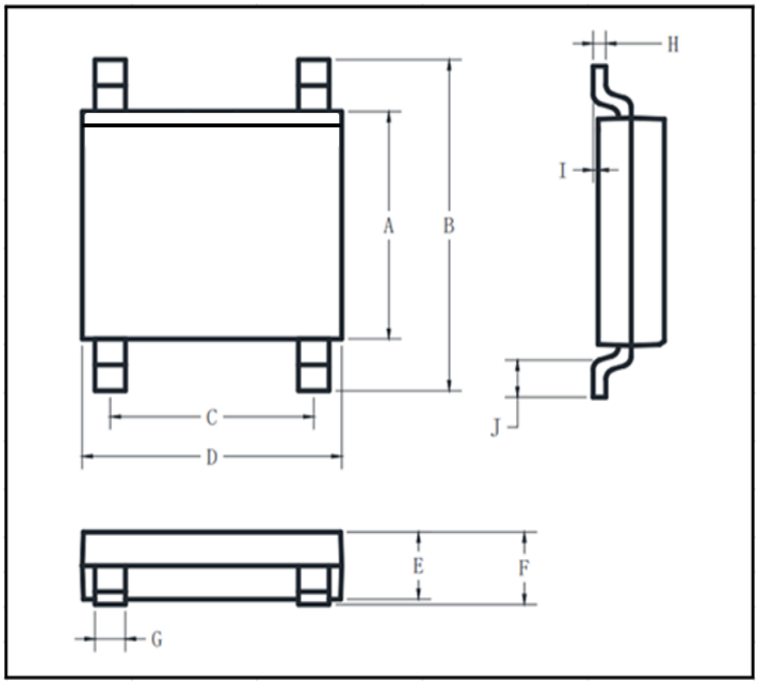


Percent of Rated Peak Reverse Voltage (%)

Ordering Information (Example)

type specification	manner of packin	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MB2S-MB10S（MBS）	T/B	3000	6000	60000	13” reel

Outline Dimensions



MBS		
Dim	Min	Max
A	3.60	4.00
B	6.40	7.00
C	2.20	2.60
D	4.50	4.90
E	2.00	2.50
F	2.10	2.60
G	0.55	0.90
H	0.15	0.40
I	0.2Max	
J	0.60	1.10

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