

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

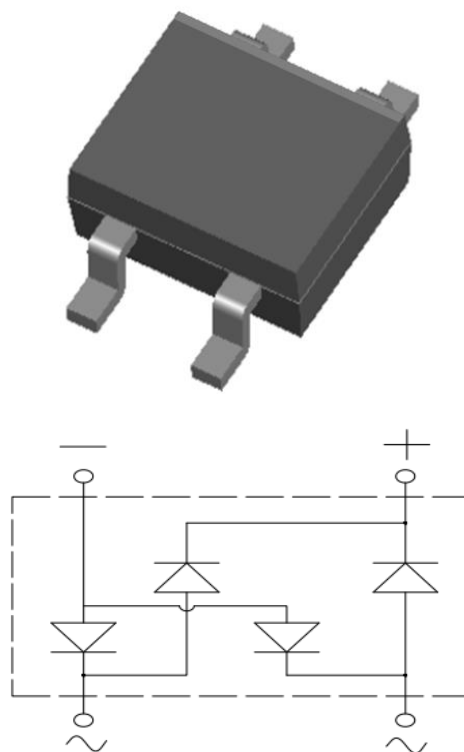
- Package: MBS

Molding compound meets UL 94 V-0 flammability rating,

- Terminals: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

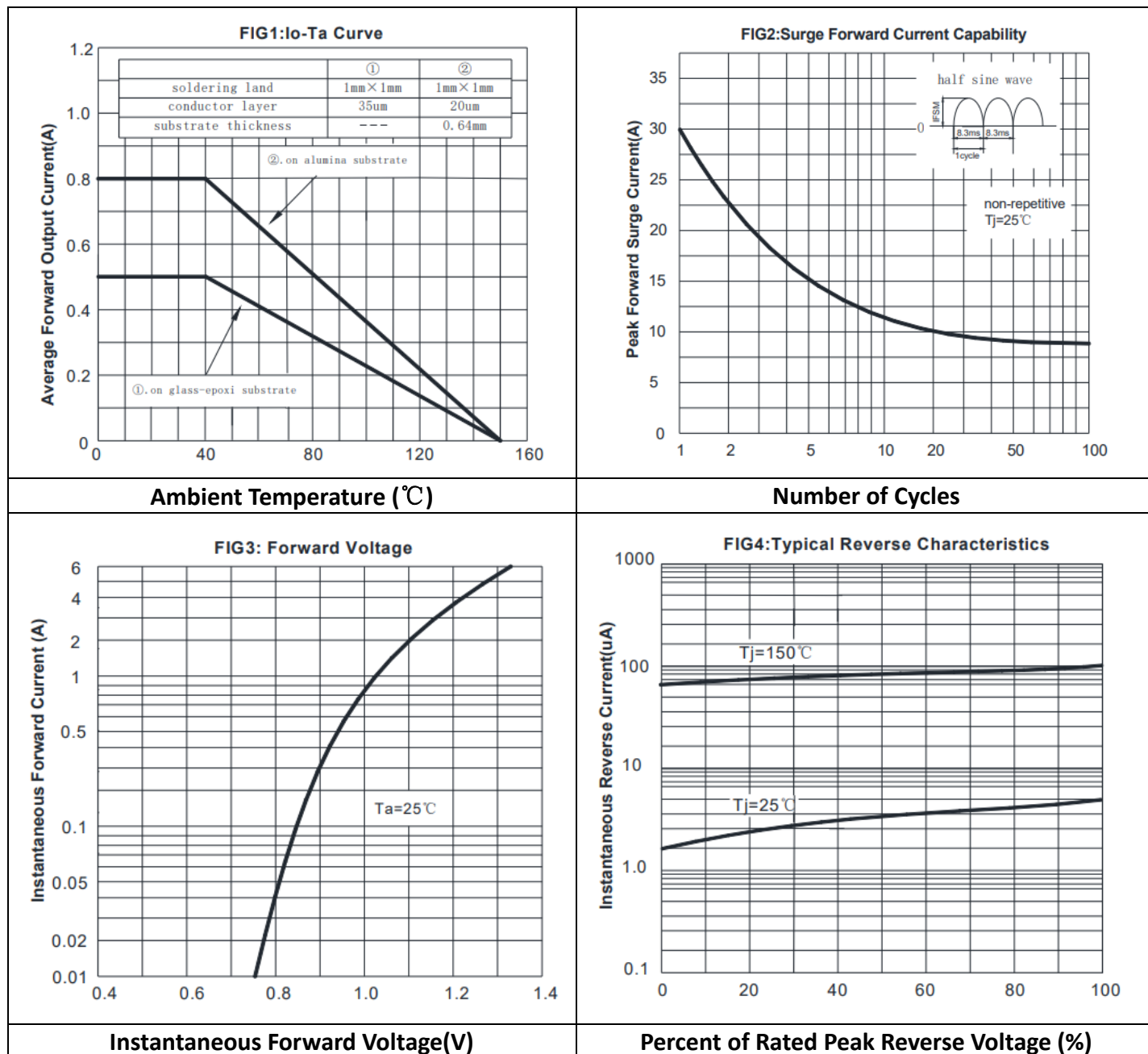
- Polarity: As marked on body



Maximum Ratings (Ta=25°C 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°C	On alumina substrate	IO	A	0.8				
	On glass-epoxy substrate			0.5				
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle,		IFSM (Tj=25°C)	A	30				
Storage temperature		Tstg	°C	-55 ~ +150				
Junction temperature		Tj	°C	-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°C)	μ A	5				
		IR (Tj =125°C)		100				

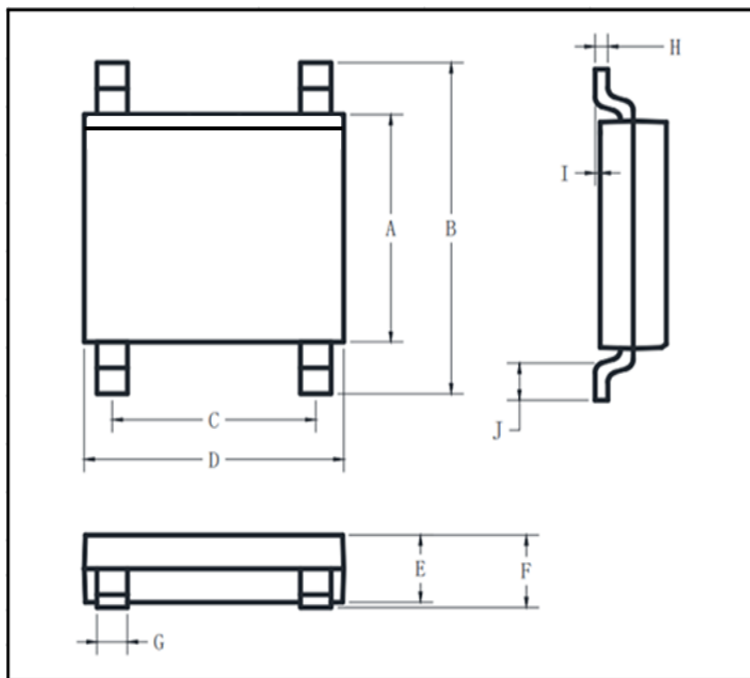
Characteristics (Typical)



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	3.6	4
B	6.4	7
C	2.2	2.6
D	4.5	4.9
E	2	2.5
F	2.1	2.6
G	0.55	0.9
H	0.15	0.4
I	0.2Max	
J	0.6	1.1

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