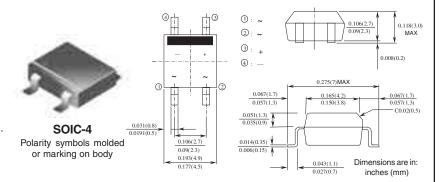


MB1S - MB8S

Features

- Low leakage
- Surge overload rating: 35 amperes peak.
- Ideal for printed circuit board.



0.5 Ampere Glass Passivated Bridge Rectifiers

Absolute Maximum Ratings*

T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
Io	Average Rectified Current @ T _A = 50°C	0.5	А
İf(surge)	Peak Forward Surge Current 8.3 ms single half-sine-wave Superimposed on rated load (JEDEC method)	35	А
P _D	Total Device Dissipation	1.4	W
	Derate above 25°C	11	mW/°C
R _{JA}	Thermal Resistance, Junction to Ambient,** per leg	85	°C/W
R _{JL}	Thermal Resistance, Junction to Lead,** per leg	20	°C/W
T _{stg}	Storage Temperature Range	-55 to +150	°C
TJ	Operating Junction Temperature	-55 to +150	°C

^{*}These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Electrical Characteristics

 $T_A = 25$ °C unless otherwise noted

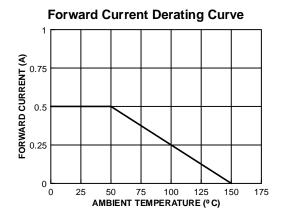
Parame	Device				Units		
		18	2S	48	6S	88	
Peak Repetitive Rever	100	200	400	600	800	V	
Maximum RMS Bridge	70	140	280	420	560	V	
DC Reverse Voltage	(Rated V _R)	100	200	400	600	800	V
Maximum Reverse Lea	akage,					•	
per leg @ rated V _R	T _A = 25°C			5.0			Α
	T _A = 125°C			0.5			mA
Maximum Forward Vol	tage Drop,						
per bridge @ 0.5 A		1.0				V	
I ² t rating for fusing	5.0				A ² t		
Typical Junction Capa $V_R = 4.0 \text{ V}, f = 1.$			13			pF	

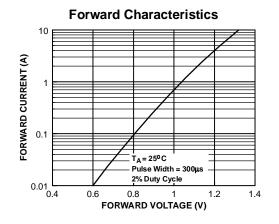
^{**}Device mounted on PCB with 0.5-0.5" (13x13 mm) lead length.

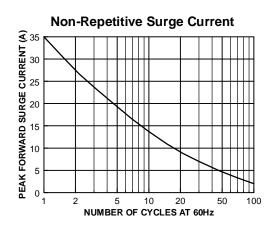
Glass Passivated Bridge Rectifiers

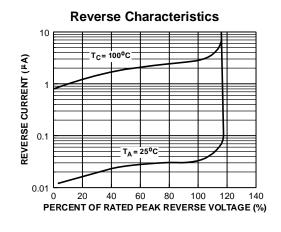
(continued)

Typical Characteristics









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