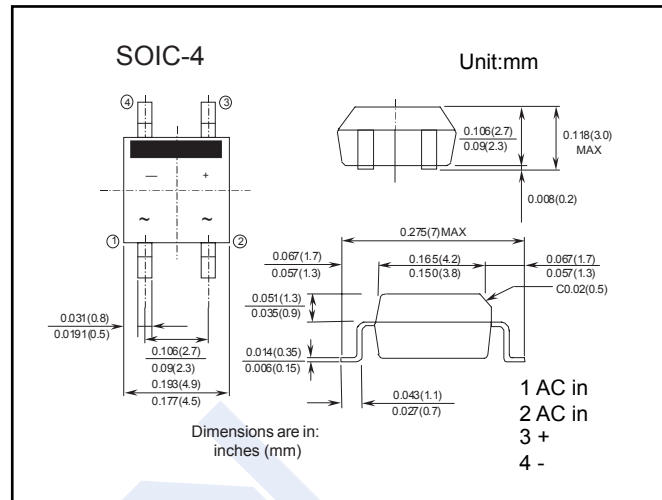


Bridge Rectifiers

MB1S ~ MB8S

■ Features

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

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	MB1S	MB2S	MB4S	MB6S	MB8S	Unit
Repetitive Peak Reverse Voltage	VRRM	100	200	400	600	800	V
RMS Voltage	VRMS	70	140	280	420	560	
Maximum DC Blocking Voltage	VDC	100	200	400	600	800	
Forward Voltage @ If=0.5A	VF	1					
Average Rectified Current @ Ta = 50°C	Io	0.5					A
Peak Forward Surge Current @ 8.3ms	IFSM	35					
Maximum DC Reverse Current Ta=25°C Ta=125°C	IR	5					uA
		0.5					mA
I²t rating for fusing t < 8.3 ms	I²t	5					A²t
Total Device Dissipation	PD	1.4					W
Derate above 25°C		11					mW/°C
Typical Junction Capacitance (Note.1)	Cj	13					pF
Thermal Resistance.Junction- to-Ambient	RthJA	85					°C/W
Thermal Resistance.Junction- to-Case	RthJC	20					
Junction Temperature	Tj	150					°C
Storage Temperature	Tstg	-55 to 150					

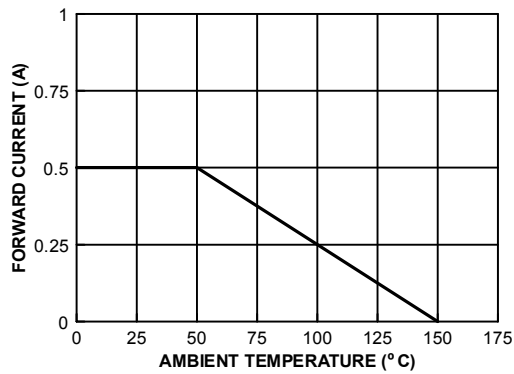
Note.1: $V_R = 4V$, $f = 1$ MHz

Bridge Rectifiers

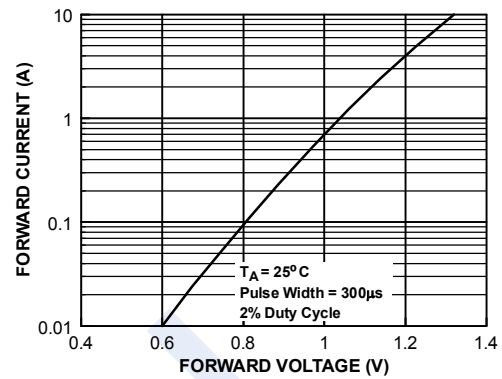
MB1S ~ MB8S

■ Typical Characteristics

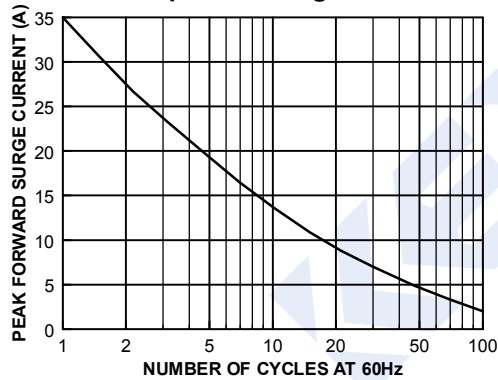
Forward Current Derating Curve



Forward Characteristics



Non-Repetitive Surge Current



Reverse Characteristics

