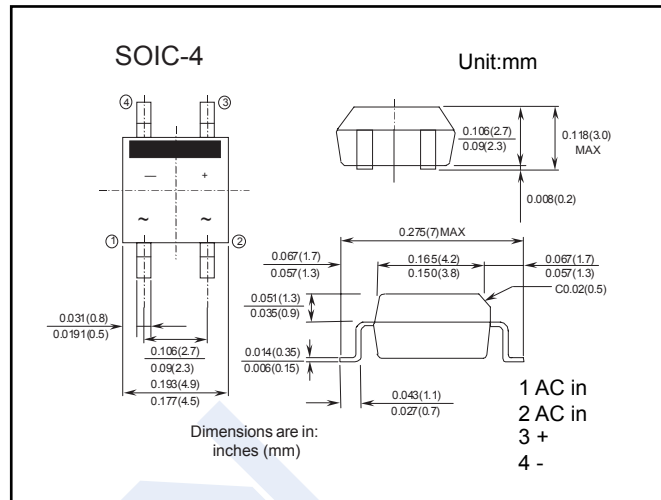


## Bridge Rectifiers

## 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	$V_{RRM}$	100	200	400	600	800	V
RMS Voltage	$V_{RMS}$	70	140	280	420	560	
Maximum DC Blocking Voltage	$V_{DC}$	100	200	400	600	800	
Forward Voltage @ $I_F=0.5\text{A}$	$V_F$	1					A
Average Rectified Current @ $T_a = 50^\circ\text{C}$	$I_o$	0.5					
Peak Forward Surge Current @ 8.3ms	$I_{FSM}$	35					
Maximum DC Reverse Current $T_a=25^\circ\text{C}$ $T_a=125^\circ\text{C}$	$I_R$	5					$\mu\text{A}$
		0.5					$\text{mA}$
$I^2t$ rating for fusing $t < 8.3\text{ ms}$	$I^2t$	5					$\text{A}^2\text{t}$
Total Device Dissipation	$P_D$	1.4					W
Derate above $25^\circ\text{C}$		11					$\text{mW}/^\circ\text{C}$
Typical Junction Capacitance (Note.1)	$C_j$	13					$\text{pF}$
Thermal Resistance.Junction- to-Ambient	$R_{thJA}$	85					$^\circ\text{C}/\text{W}$
Thermal Resistance.Junction- to-Case	$R_{thJC}$	20					
Junction Temperature	$T_j$	150					$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to 150					

Note.1:  $V_R = 4\text{V}$ ,  $f = 1\text{ MHz}$

## Bridge Rectifiers

### MB1S ~ MB8S

■ Typical Characteristics

