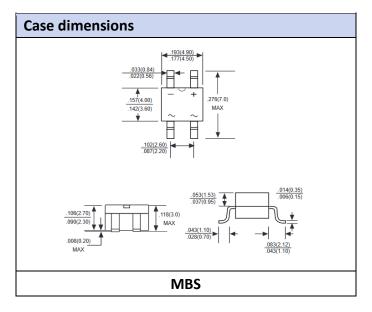


## **SMD Single Phase Bridge Rectifiers**

Primary characteristics				
Parameter	Value	Unit		
Maximum Repetitive Peak Reverse Voltage	200 ~ 1000	V		
Maximum Average Forward Rectified Current	0.5 ~ 0.8	A		

## **Features**

- MBS case for easy automatic insertion •
- Pb-free and RoHS compliant •
- High temperature soldering guaranteed: 260°C/10s
- High surge current capability •
- Terminals: plated leads solderable per MIL-STD-750, • Method 2026
- Weight: 0.078oz, 0.22g



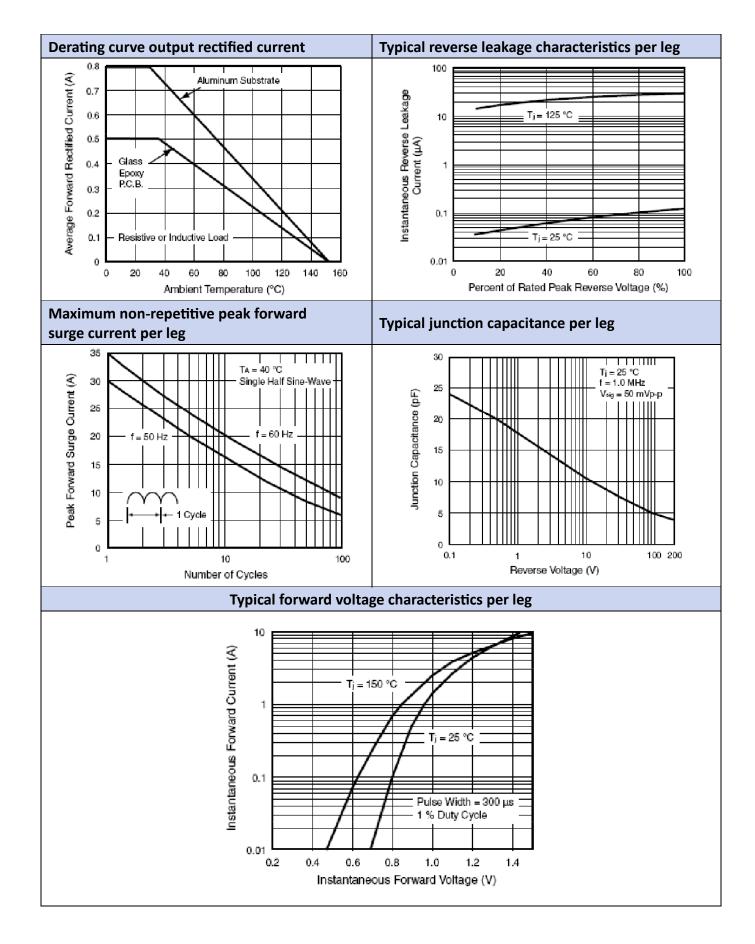
		Absolute maximum ratings and general electrical characteristics ( $T_a = 25^{\circ}C$ )								
Gumbal	Value				Unit					
Symbol	MB2S	MB4S	MB6S	MB8S	MB10S					
ge V <sub>RRM</sub>	200	400	600	800	1000					
V <sub>RMS</sub>	140	280	420	560	700	V				
VDC	200	400	600	800	1000					
1)	0.5									
r. <sup>2)</sup> I <sub>F(AV)</sub>	0.8				1					
sed I <sub>FSM</sub>	35					A				
l <sup>2</sup> t	5.0					A <sup>2</sup> sec				
ge V <sub>F</sub>	1.0				v					
DC reverse current T <sub>a</sub> =25°C 5.0										
5°C	100				μΑ					
CJ	13				pF					
R <sub>eJA</sub>	R <sub>eJA</sub> 85 <sup>1</sup> )   R <sub>eJA</sub> 70 <sup>2</sup> )									
R <sub>eJA</sub>					°C/W					
R <sub>eJL</sub>	20 1)									
Tj, Tstg	-55 ~ 150				°C					
	$ \begin{array}{c c} & & & & \\ & & & & \\ \hline & & & & \\ \hline & & & &$	$\begin{array}{c c c c c c c } & MB2S \\ \hline \ MB2S \\ \hline \ MB2S \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$\begin{array}{c c c c c c c c } & MB2S & MB4S \\ \hline \\ \hline \\ ge & V_{RMS} & 140 & 280 \\ \hline V_{DC} & 200 & 400 \\ \hline \\ \hline \\ V_{DC} & 200 & 400 \\ \hline \\ \hline \\ \hline \\ r. ^{2)} & I_{F(AV)} & \hline \\ \hline$	Symbol MB2S MB4S MB6S MB6S ge VRM 200 400 600	Symbol MB2S MB4S MB6S MB8S MB8S ge VRM 200 400 600 800 <th< td=""><td>Symbol MB2S MB4S MB6S MB8S MB10S   ge VRM 200 400 600 800 1000   VRMS 140 280 420 560 700   VDC 200 400 600 800 1000   1) VDC 200 400 600 800 1000   1) IF(AV) 0.5 0.5 0.8 0.9 0.8 0.9 0.9 0.9 0.9</td></th<>	Symbol MB2S MB4S MB6S MB8S MB10S   ge VRM 200 400 600 800 1000   VRMS 140 280 420 560 700   VDC 200 400 600 800 1000   1) VDC 200 400 600 800 1000   1) IF(AV) 0.5 0.5 0.8 0.9 0.8 0.9 0.9 0.9 0.9				

on 0.05x0.05" (1.3x1.3mm) pads s ероху PCB mo

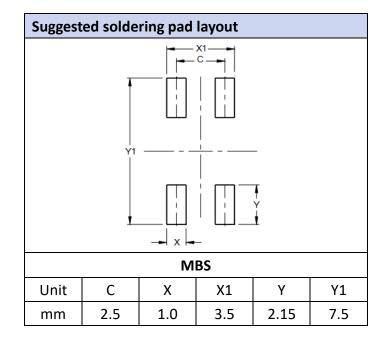
2) On aluminum substrate PCB with an area of 0.8"x0.8" (20x20mm) mounted on 0.05x0.05"(1.3x1.3mm) solder pad

3) At 4.0V, 1.0MHz









Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
MB2S ~ MB10S	MBS	3 000 pcs / reel				
		36 000 pcs / box	40 x 37 x 27 cm			

## Disclaimer

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