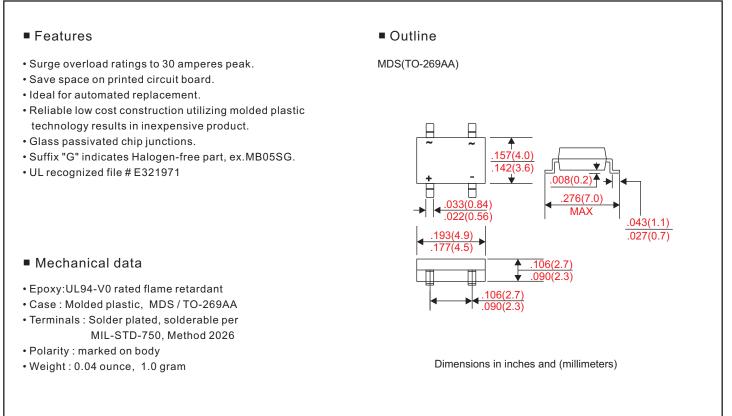


# MB1005S THRU MB110S

### 1A Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifiers



#### Maximum ratings and electrical characteristics

Rating at  $25^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

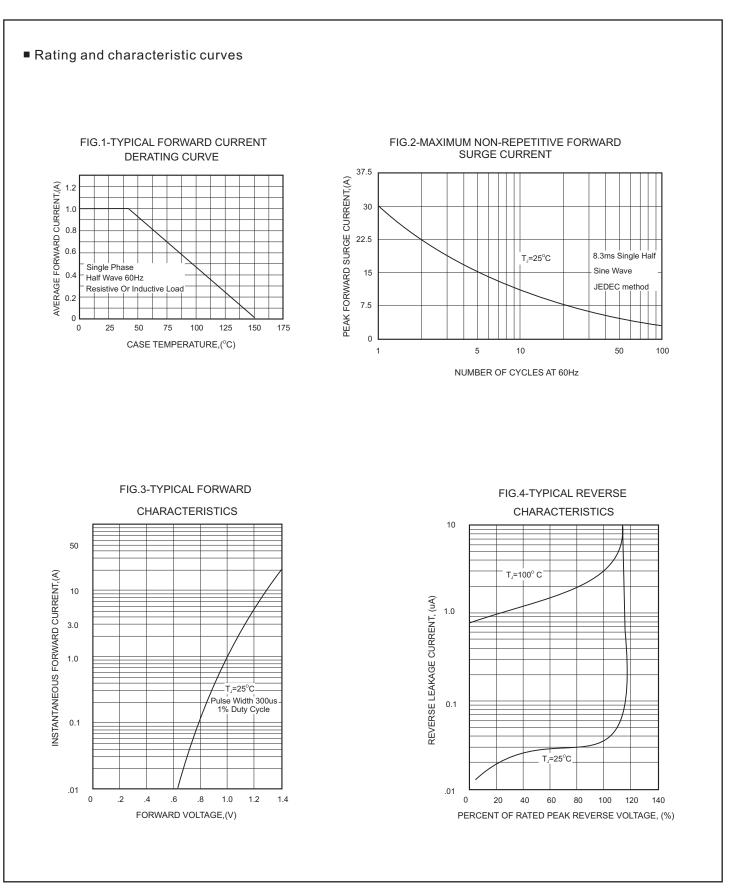
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current	at $T_A = 40^{\circ}C$	I <sub>o</sub>			1.0	A
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I <sub>FSM</sub>			30	А
<b>D</b>	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I <sub>R</sub>			500	
Storage temperature		Т	-55		+150	°C

Symbol	Marking code	Max. repetitive peak reverse voltage V <sub>RRM</sub> (V)	Max. RMS voltage V <sub>RMS</sub> (V)	$\begin{array}{c} \text{Max. DC} \\ \text{blocking voltage} \\ V_{\text{R}}\left( \text{V} \right) \end{array}$	Max. forward voltage @1A, $T_A = 25^{\circ}C$ $V_F(V)$	Operating temperature $T_J(^{\circ}C)$	
MB1005S	MB1005S	50	35	50			
MB101S	MB101S	100	70	100			
MB102S	MB102S	200	140	200			
MB104S	MB104S	400	280	400	1.1	-55 ~ +150	
MB106S	MB106S	600	420	600			
MB108S	MB108S	800	560	800			
MB110S	MB110S	1000	700	1000			



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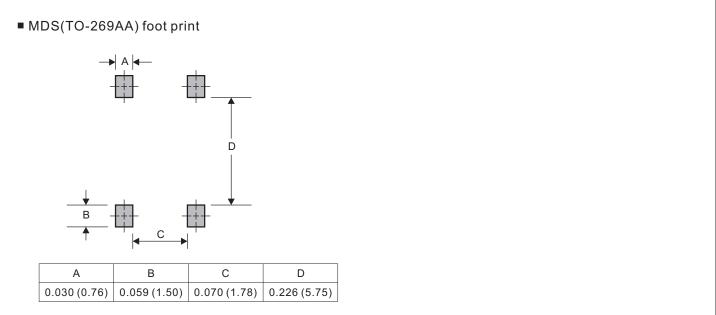


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Dimensions in inches and (millimeters)

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