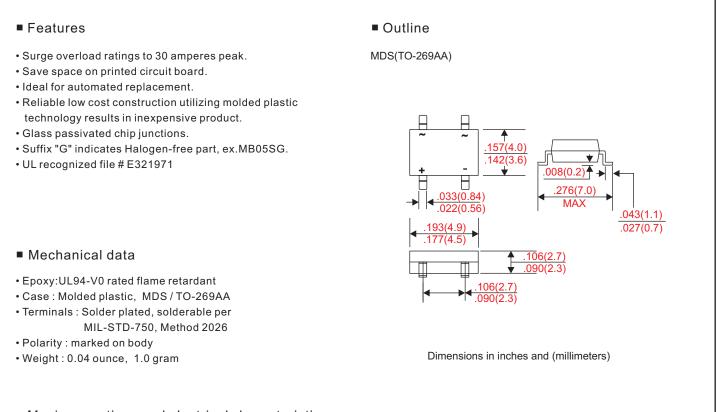


# MB05S THRU MB10S

### 0.5 / 0.8A 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%.

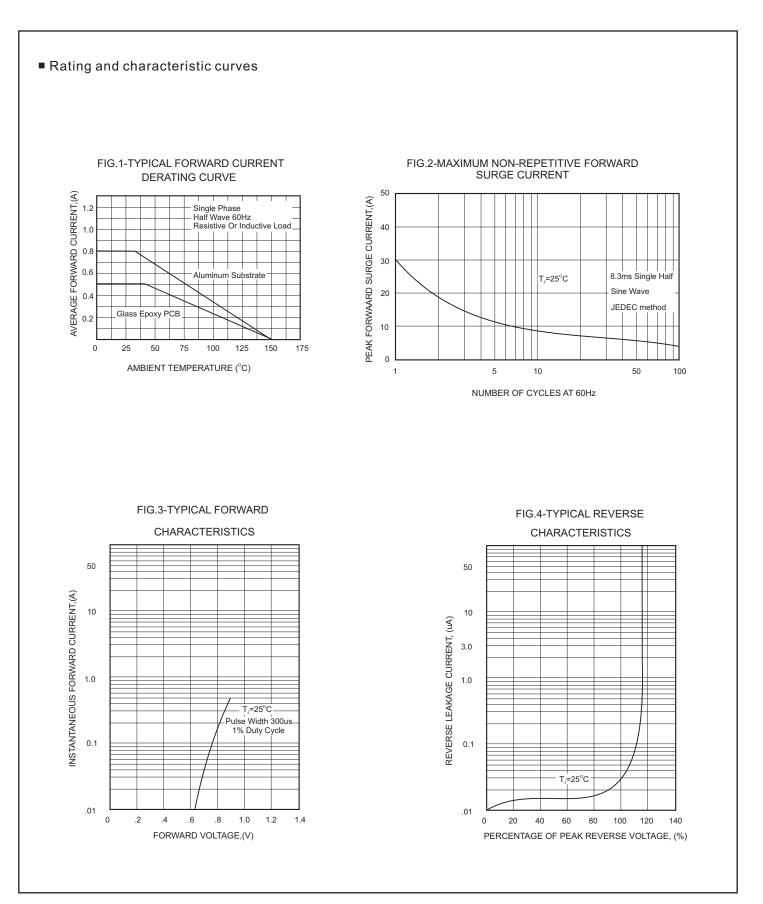
Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	
E					0.8	•
Forward rectified current	at $T_A = 30^{\circ}C$ on glass-epoxy PCB	I <sub>o</sub>			0.5	A
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I <sub>FSM</sub>			35	А
Reverse current	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I <sub>R</sub>			500	
Storage temperature		T <sub>stg</sub>	-55		+150	°C

Symbol	Marking code	Max. repetitive peak reverse voltage V <sub>RRM</sub> (V)	Max. RMS voltage V <sub>RMS</sub> (V)	Max. DC blocking voltage V <sub>R</sub> (V)	Max. forward voltage @0.4A, T <sub>A</sub> = 25°C V <sub>F</sub> (V)	Operating temperature $T_J(^{\circ}C)$
MB05S	MB05S	50	35	50		
MB1S	MB1S	100	70	100		
MB2S	MB2S	200	140	200		
MB4S	MB4S	400	280	400	1.0	-55 ~ +150
MB6S	MB6S	600	420	600		
MB8S	MB8S	800	560	800		
MB10S	MB10S	1000	700	1000		



## **MB05S THRU MB10S**

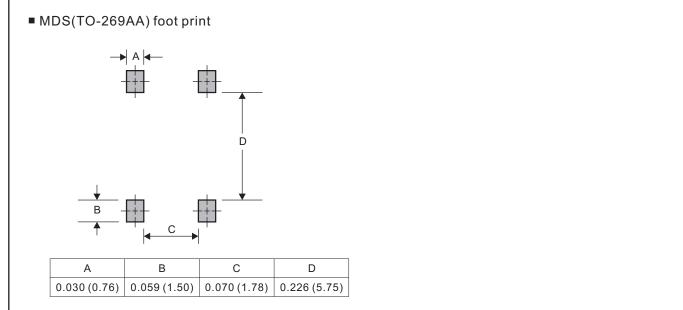
### 0.5 / 0.8A Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifiers





# MB05S THRU MB10S

### 0.5 / 0.8A Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifiers



Dimensions in inches and (millimeters)

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