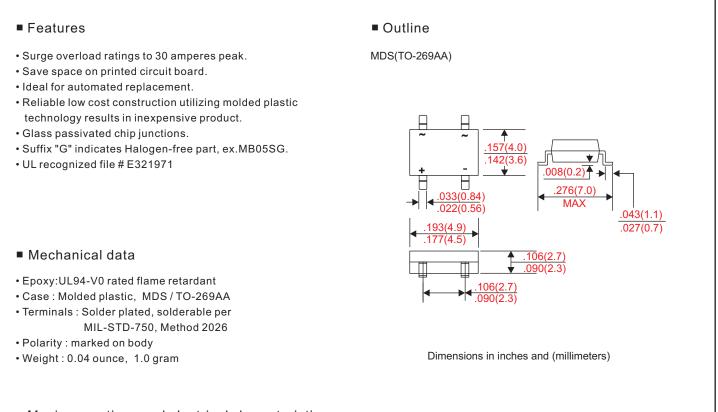


MB05S THRU MB10S

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



Maximum ratings and electrical characteristics

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

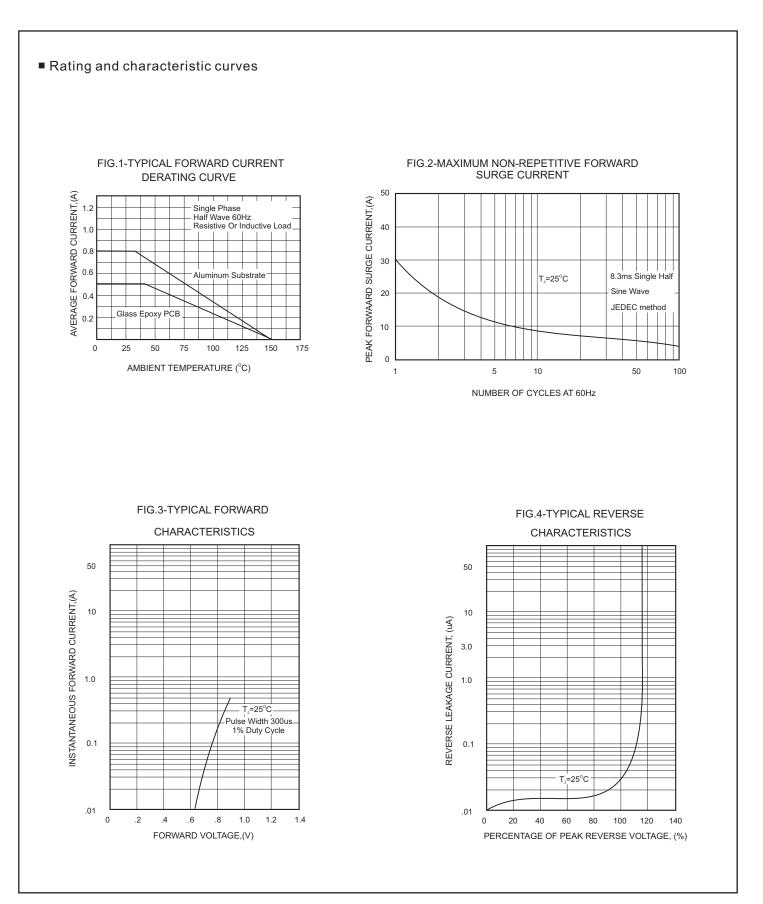
Parameter	Symbol	MIN.	TYP.	MAX.	UNIT	
E					0.8	•
Forward rectified current	at $T_A = 30^{\circ}C$ on glass-epoxy PCB	I _o			0.5	A
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			35	А
Reverse current	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA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

Symbol	Marking code	Max. repetitive peak reverse voltage V _{RRM} (V)	Max. RMS voltage V _{RMS} (V)	Max. DC blocking voltage V _R (V)	Max. forward voltage @0.4A, T _A = 25°C V _F (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

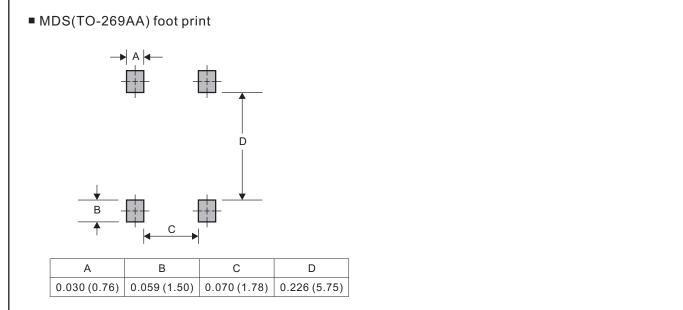
0.5 / 0.8A Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifiers





MB05S THRU MB10S

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



Dimensions in inches and (millimeters)

- CITC reserves the right to make changes to this document and its products and specifications at any time without notice.
- Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.
- CITC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does CITC assume any liability for application assistance or customer product design.
- CITC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.
- No license is granted by implication or otherwise under any intellectual property rights of CITC.
- CITC products are not authorized for use as critical components in life support devices or systems without express written approval of CITC.

http://www.citcorp.com.tw/ Tel:886-3-5600628 Fax:886-3-5600636 Add:Rm. 3, 2F., No.32, Taiyuan St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)