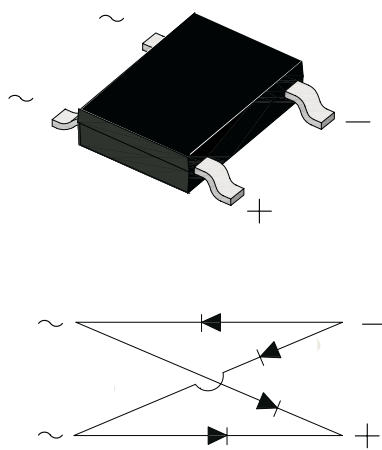




1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

<p>DFS</p> 	<p>Voltage 600 V to 1000 V</p>	<p>Current 1.0 Amp. at 40°C</p>	
	<p>FEATURES</p> <ul style="list-style-type: none"> Ideal for automated placement High forward surge current capability Solder dip 260°C, 10s Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC Meets MSL level 1, per J-STD-020, LF maximum peak of 250° C 		  RoHS COMPLIANT
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: DFS Epoxy meets UL 94V-0 flammability rating. Polarity: As marked on body. Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test. 		
	<p>TYPICAL APPLICATIONS</p> <p>Used in ac-to-dc bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications..</p>		

Maximun Ratings and Electrical Characteristics at 25°C

		DF06S	DF08S	DF10S
Marking code		DF06S	DF08S	DF10S
V_{RRM}	Peak recurrent reverse voltage (V)	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	420	560	700
$I_F (AV)$	Forward current at Tamb = 40 °C R Load C Load	1.0 A 0.8 A		
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	50 A		
I^2t	I^2t value for fusing (t = 8.3 ms)	10 A ² sec		
T_j	Operating temperature range	- 55 to + 150 °C		
T_{stg}	Storage temperature range	- 55 to + 150 °C		

Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop per element at $I_F = 1 A$	1.1 V
I_R	Max. reverse current per element V_{RRM} d.c. and Ta = 25 °C and Ta = 125 °C	10 µA 500 µA
R_{thj-a}	Maximum thermal resistance junction to ambient (*)	65 °C/W

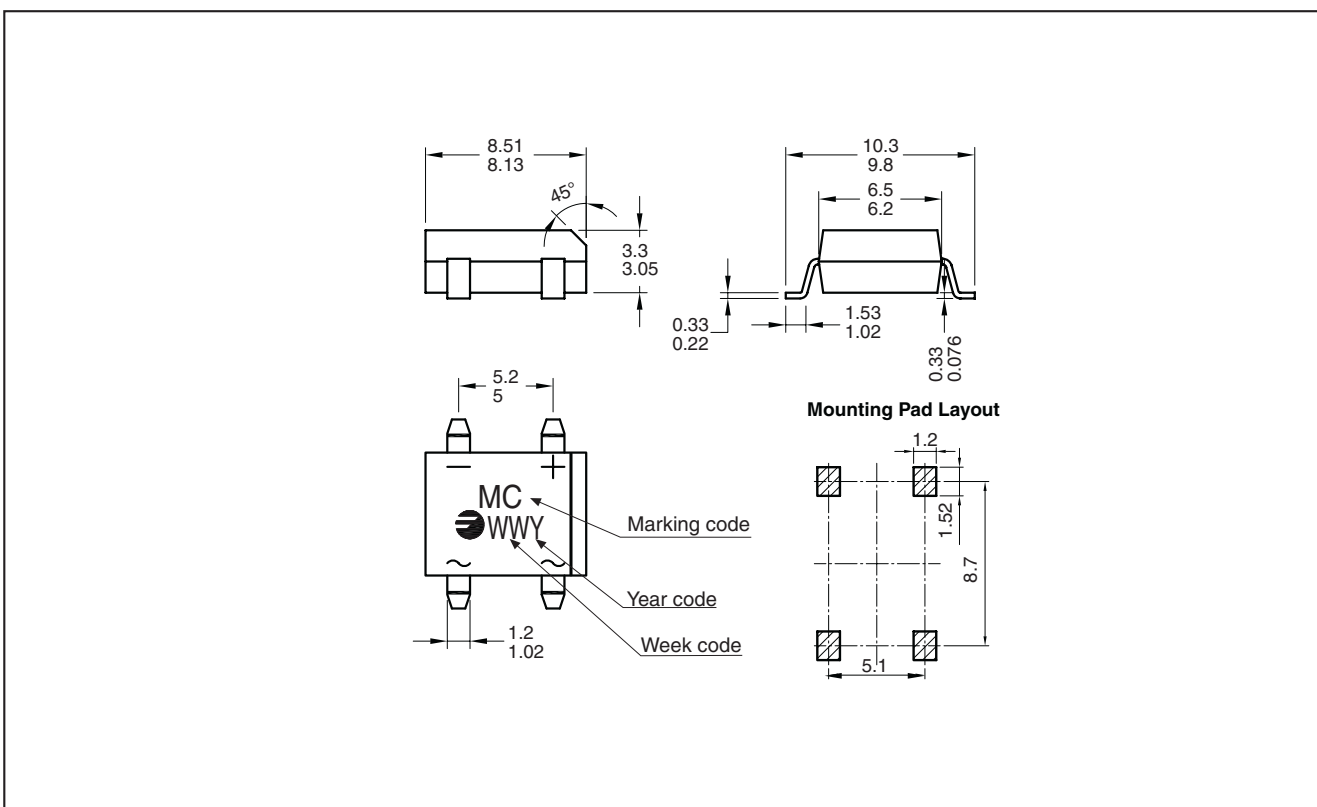
(*) NOTE: Thermal Resistance from junction to ambient PCB mounted P.C. Board with 12 mm. sq. Copper

1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DF06S TR	TR	13" diameter tape and reel	1,500	0.399

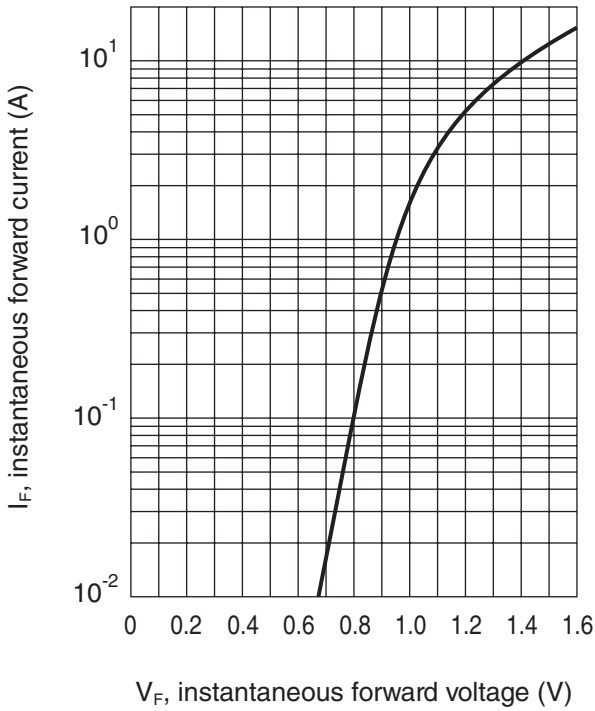
Package Outline Dimensions: (mm) DFS



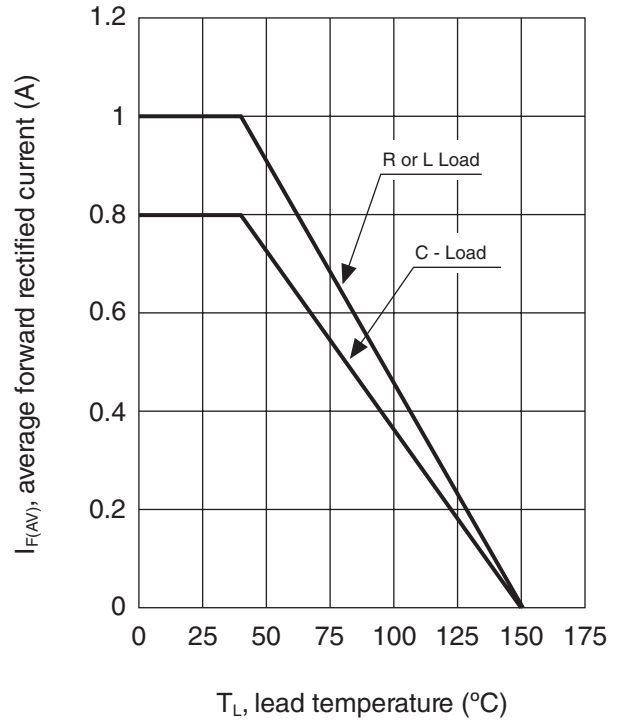
1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

Ratings and Characteristics (Ta 25 °C unless otherwise noted)

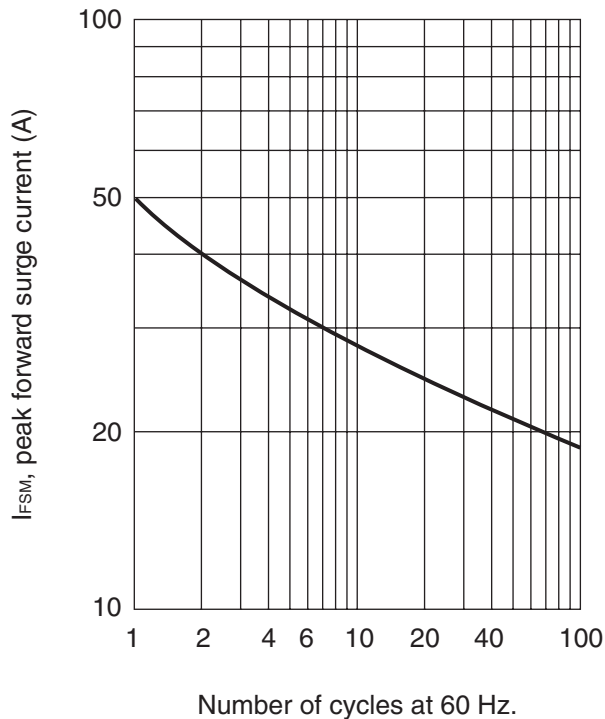
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

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