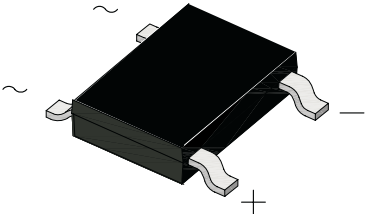
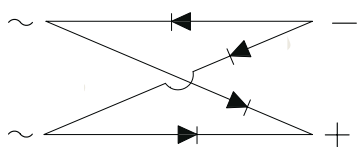




1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

<div>DFS</div> <div></div> <div></div>	<div>Voltage</div> <div>600 V to 1000 V</div>	<div>Current</div> <div>1.0 Amp. at 40°C</div>	
	<div>FEATURES</div> <div><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</div>		<div></div> <div></div> <div><div>RoHS</div><div>COMPLIANT</div></div>
	<div>MECHANICAL DATA</div> <div><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.</div>		
	<div>TYPICAL APPLICATIONS</div> <div>Used in ac-to-dc bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications..</div>		

Maximun Ratings and Electrical Characteristics at 25°C

		DF06SA	DF08SA	DF10SA
	Marking code	DF06SA	DF08SA	DF10SA
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)	30 A		
I^2t	I^2t value for fusing (t = 8.3 ms)	4.5 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 T = 25 °C and T = 125 °C	10 µA 500 µA
R_{thj-a}	Maximum thermal resistance junction to ambient (*)	60 °C/W

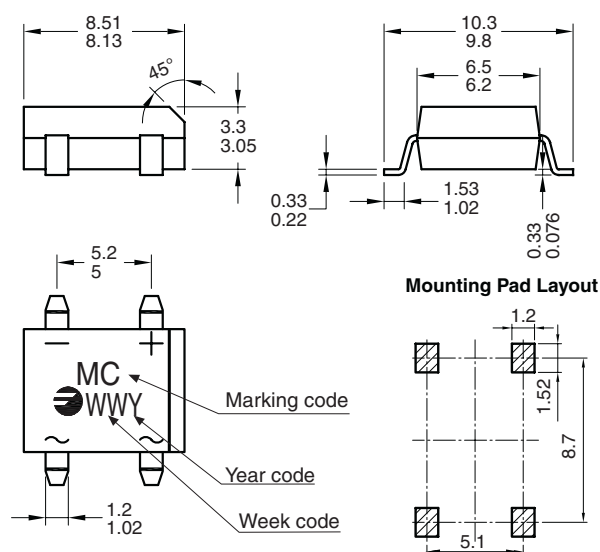
(*) NOTE: Thermal Resistance from junction to ambient PCB mounted P.C. Board with 12 mm. sq. Copper

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

Ordering information

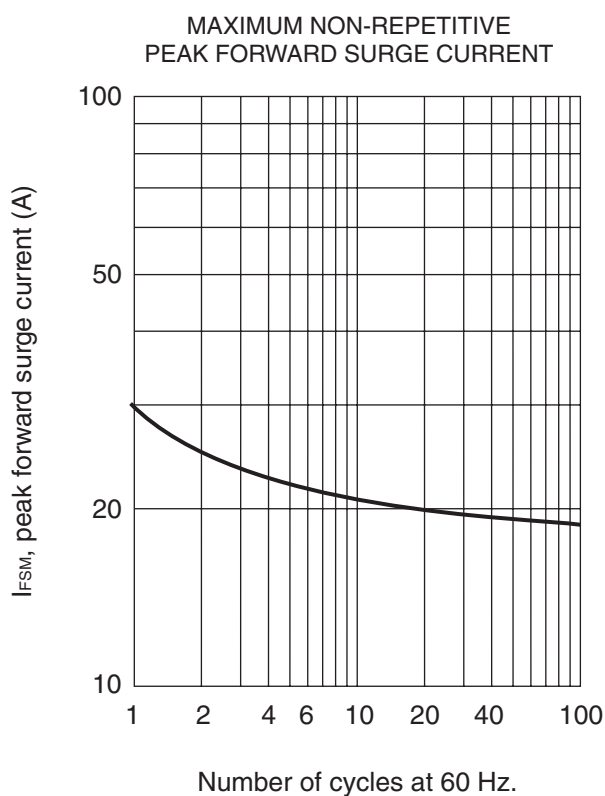
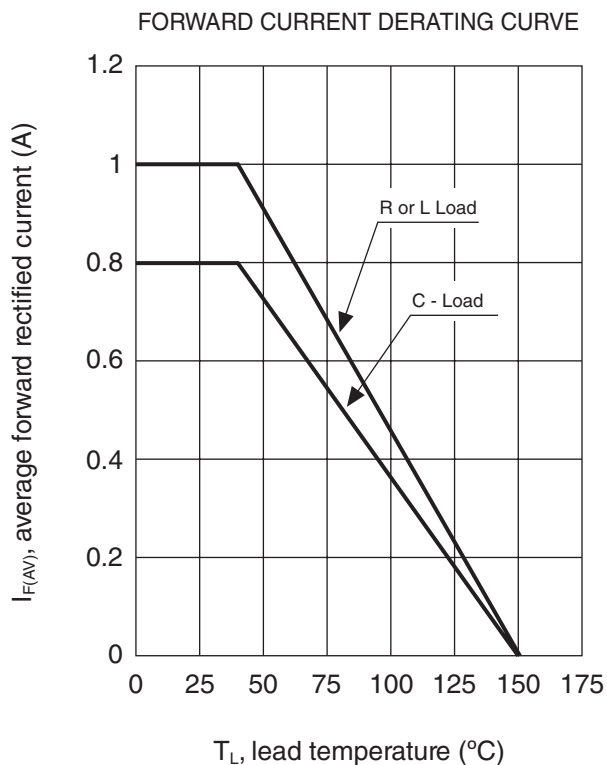
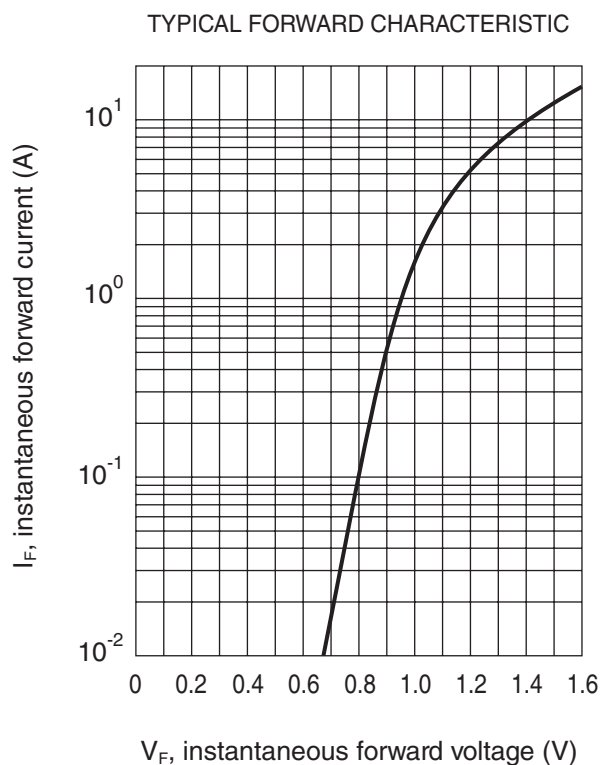
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DF06SA TR	TR	13" diameter tape and reel	1,500	0.386

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)



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

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