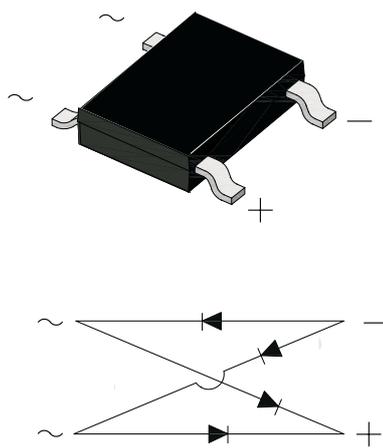
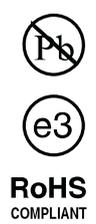


1.5 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

<p>DFS</p> 	<p>Voltage 600 V to 1000 V</p>	<p>Current 1.5 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 2011/65/EU and WEEE 2002/96/EC Meets MSL level 1, per J-STD-020, LF maximum peak of 250° C 		 <p>RoHS COMPLIANT</p>
	<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

		DF1506S	DF1510S
Marking code		DF1506S	DF1510S
V_{RRM}	Peak recurrent reverse voltage (V)	600	1000
V_{RMS}	Maximum RMS voltage (V)	420	700
$I_{F(AV)}$	Forward current at Tamb = 40 °C	1.5 A	
I_{FRM}	Recurrent peak forward current	10 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)	12 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 at $I_F = 1.5 A$	1.1 V
I_R	Max. reverse current and T = 25 °C at V_{RRM} d.c. and T = 125 °C	10 µA 500 µA
$R_{th(j-a)}$	Maximum thermal resistance junction to ambient (*)	40 °C/W

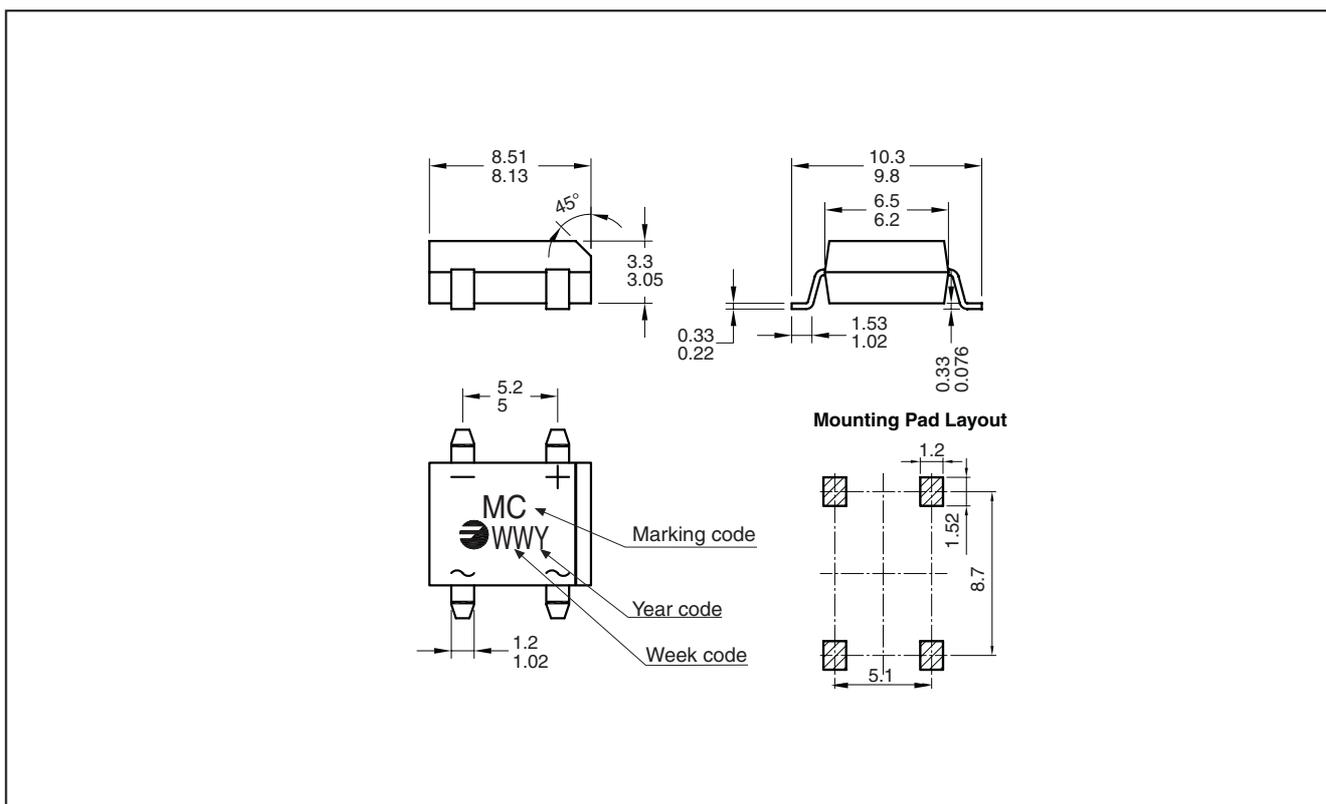
(*) NOTE: Thermal Resistance from junction to ambient mounted on P.C. Board with 12 mm. sq. Copper

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

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DF1506S TR	TR	13" diameter tape and reel	3,000	0.399

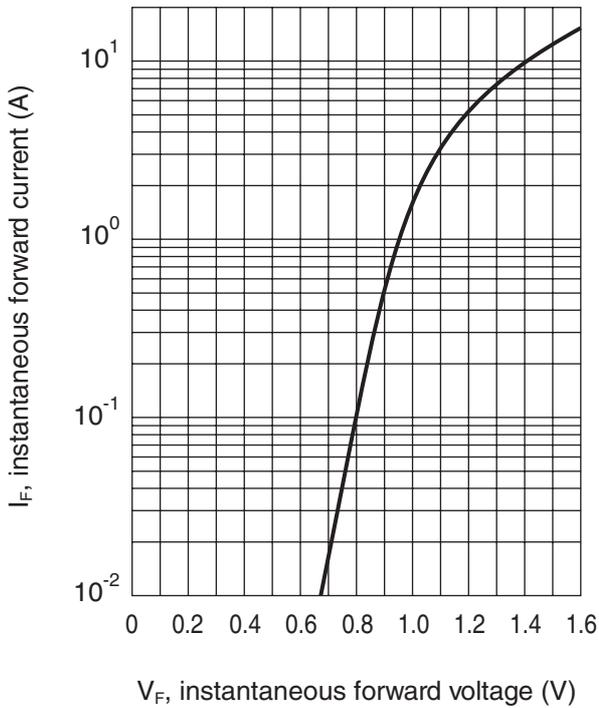
Package Outline Dimensions: (mm) DFS



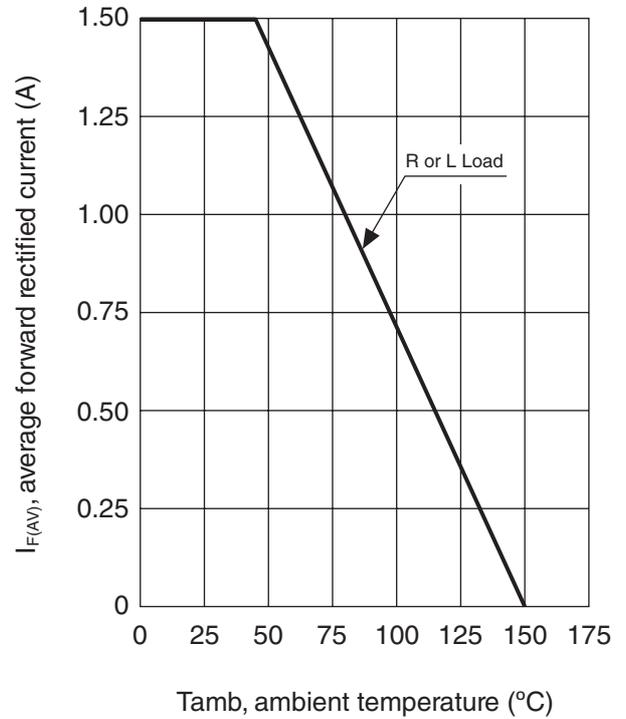
1.5 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

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

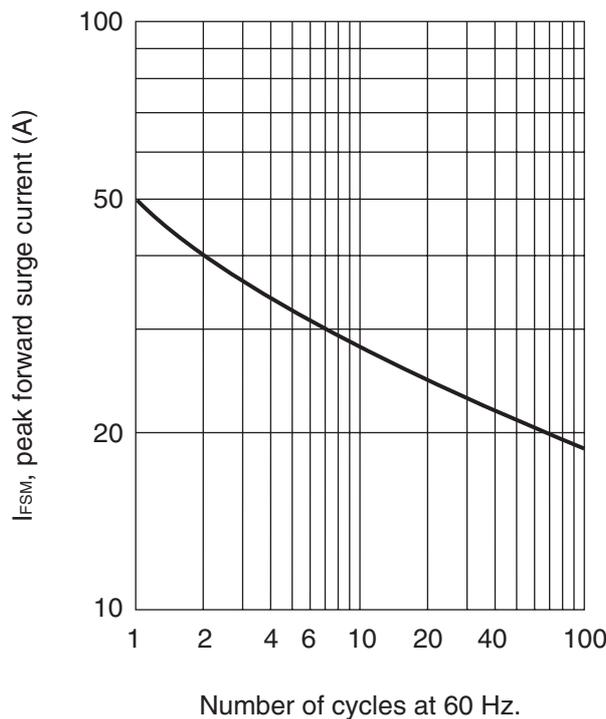
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



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

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