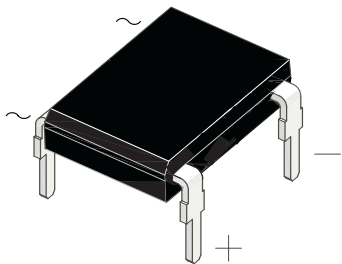
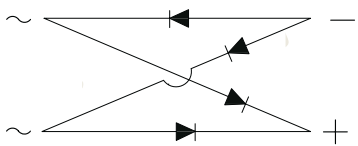



1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

<p>DFM</p>  	<p>Voltage</p> <p>600 V to 1000 V</p>	<p>Current</p> <p>1.5 Amp. at 40°C</p>	
	<p>FEATURES</p> <ul style="list-style-type: none"> Ideal for automated insertion High forward surge current capability Ideal for printed circuit boards 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 		
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: DFM 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

		DF1506M	DF1510M
Marking code		DF1506M	DF1510M
V_{RRM}	Peak recurrent reverse voltage (V)	600	1000
V_{RMS}	Maximum RMS voltage (V)	420	700
$I_{F(AV)}$	Forward current at $T_{amb} = 40\text{ °C}$	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 ($t = 8.3\text{ ms}$)	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 $T_{amb} = 25\text{ °C}$

V_F	Max. forward voltage drop at $I_F = 1.5\text{ A}$	1.1 V
I_R	Max. reverse current at V_{RRM} d.c.	10 μ A and $T = 25\text{ °C}$ 500 μ A and $T = 125\text{ °C}$
$R_{th(j-a)}$	Maximum thermal resistance junction to ambient (*)	40 °C/W

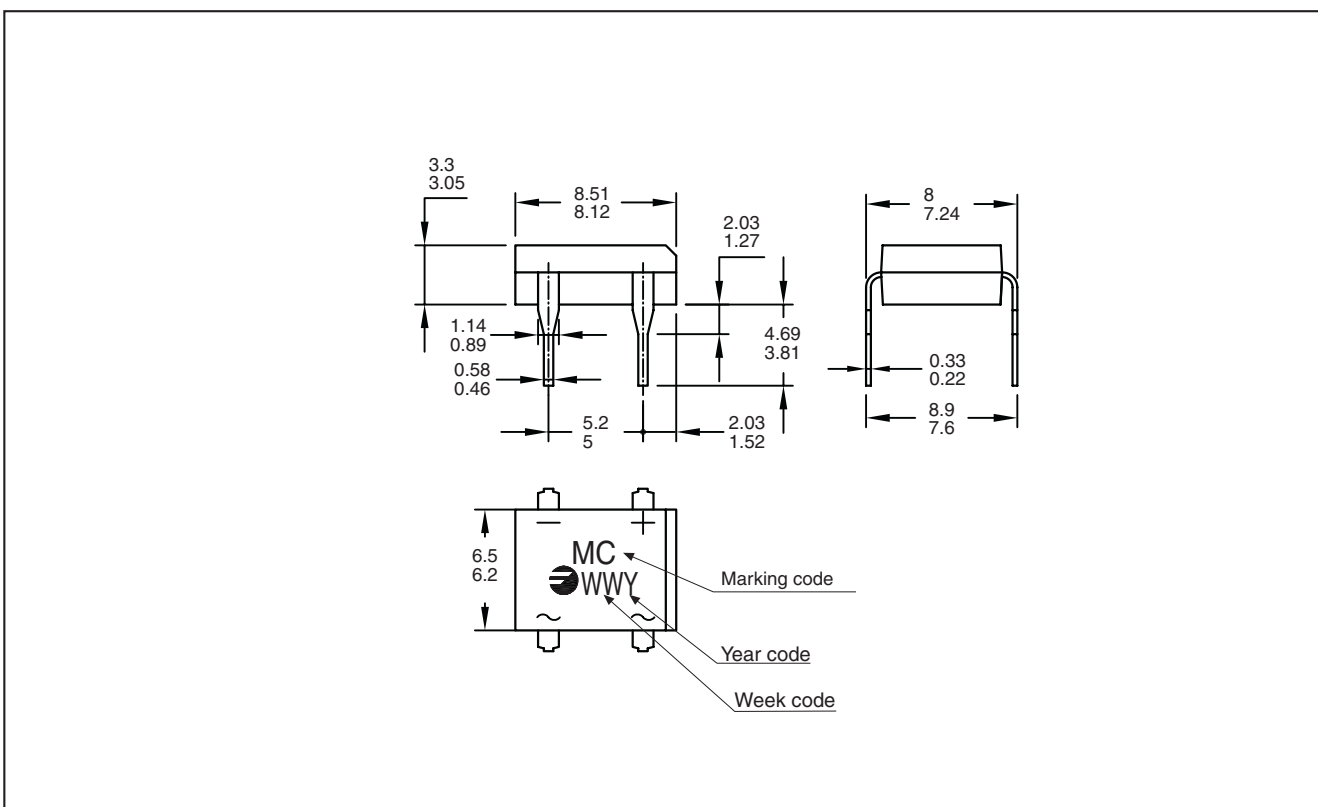
(*) NOTE: Thermal Resistance from junction to ambient mounted on P.C. Board with 12 mm. sq. Copper

1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DF1506M TU	TU	TUBE	5,000	0.423

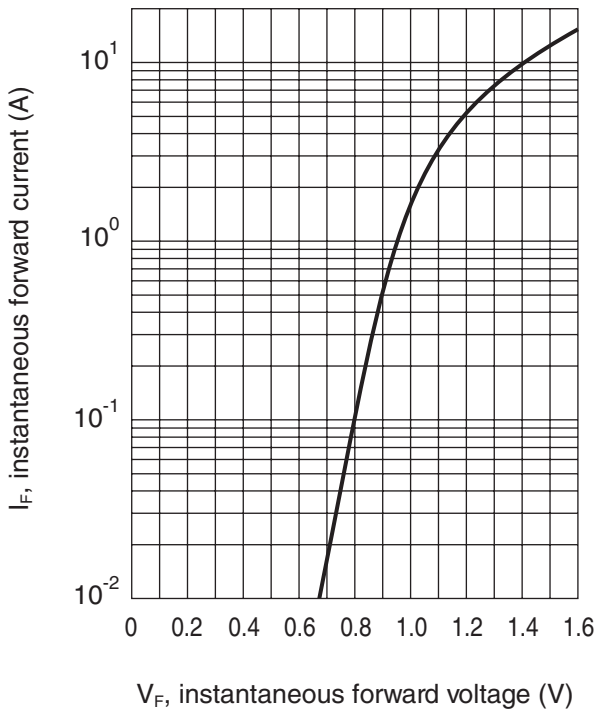
Package Outline Dimensions: (mm) DFM



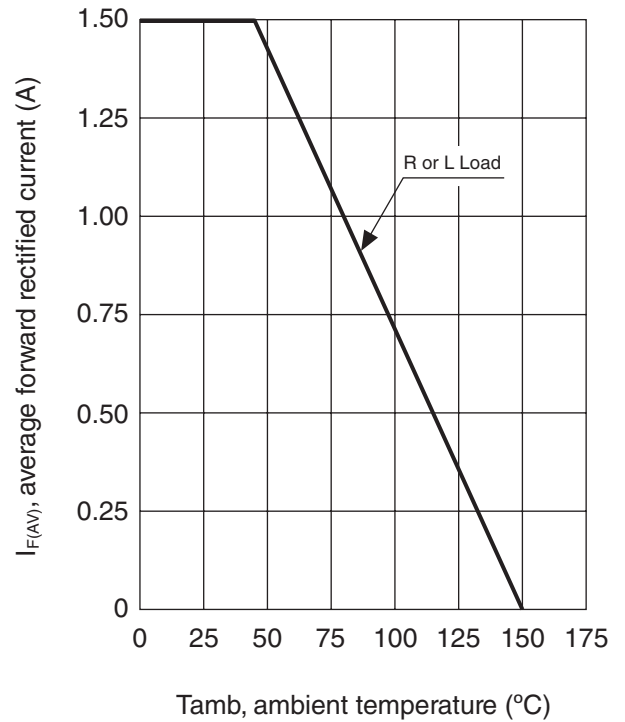
1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

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

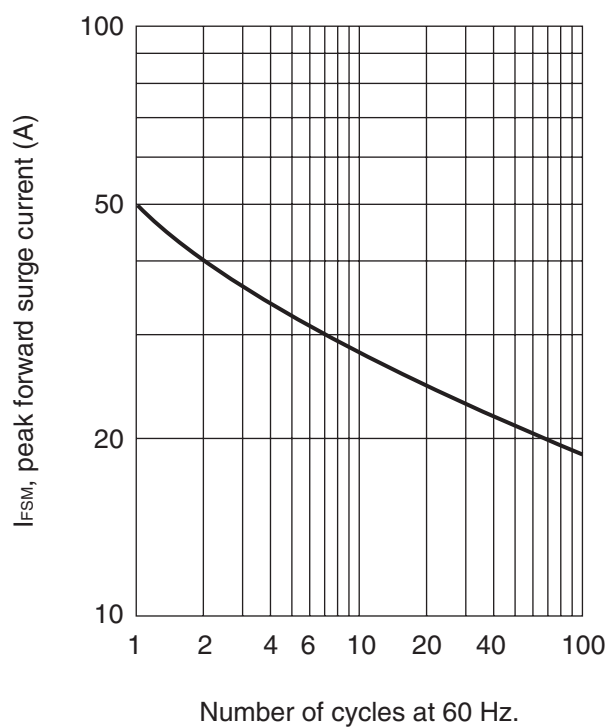
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

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