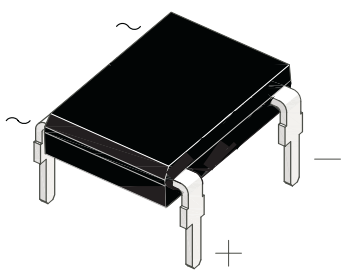
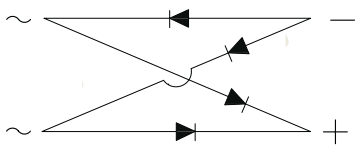


1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

DFM  	Voltage 600 V to 1000 V Current 1.5 Amp. at 40°C
	FEATURES • 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   RoHS COMPLIANT
	MECHANICAL DATA • 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.
	TYPICAL APPLICATIONS Used in ac-to-dc bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications..

Maximum 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 $T_{amb} = 40^\circ C$	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 $T_{amb} = 25^\circ C$

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

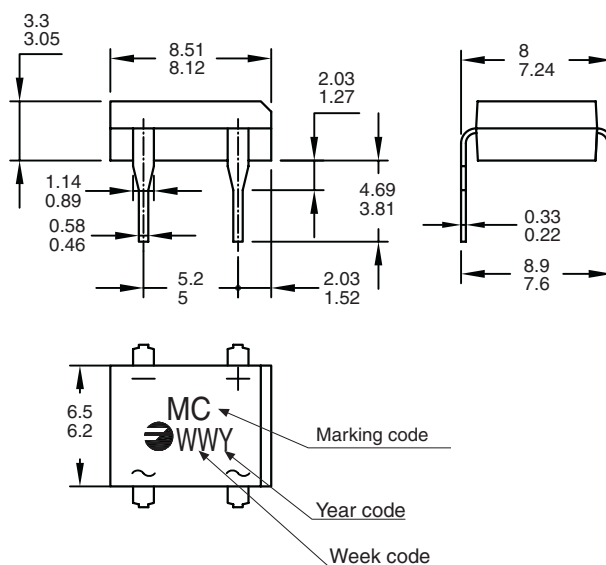
(*) NOTE: Thermal Resistance from junction to ambient mounted on P.C. Board with 12 mm. sq. Copper

1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

Ordering information

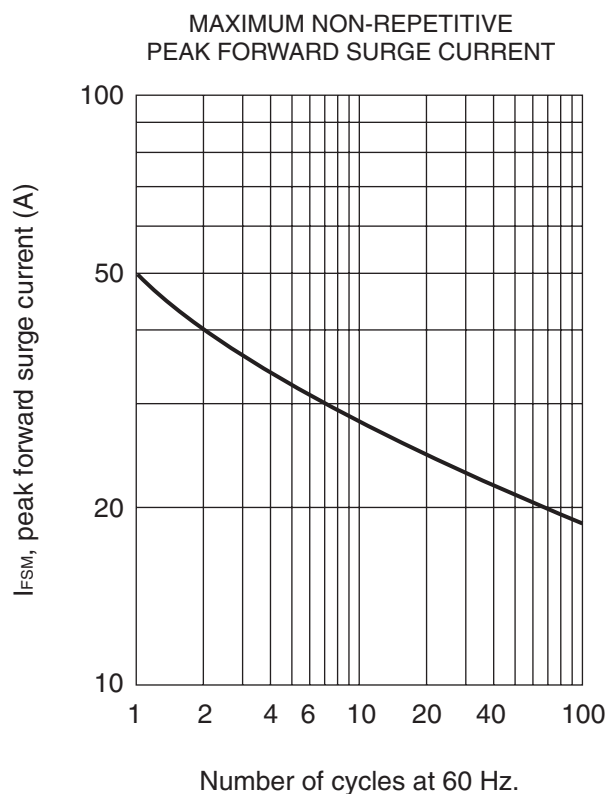
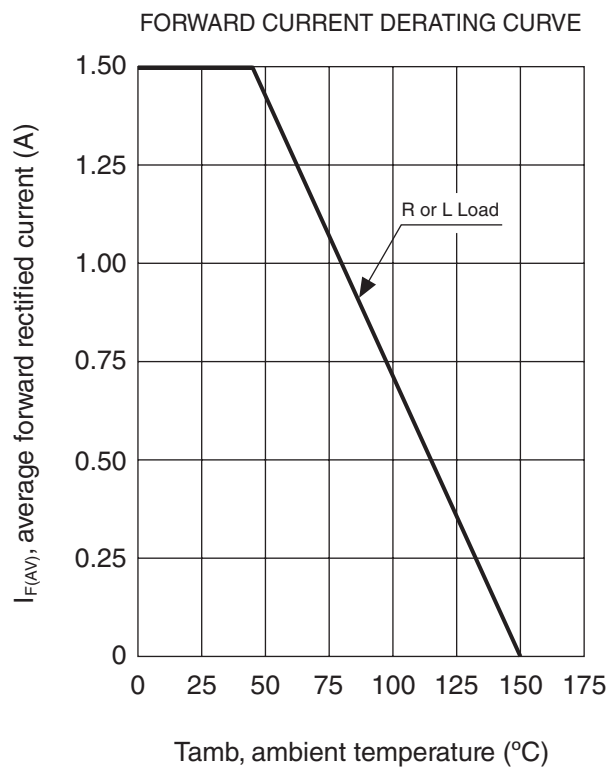
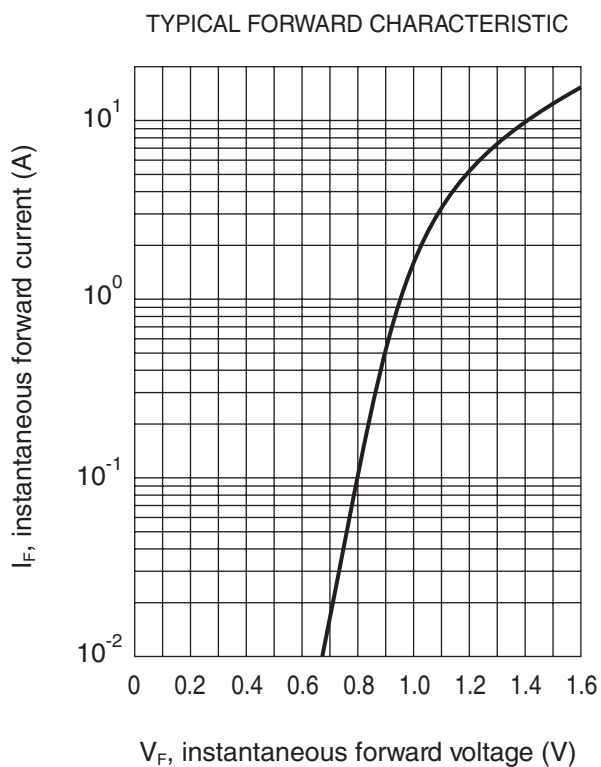
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DF1506M TU	TU	TUBE	5,000	0.423

Package Outline Dimensions: (mm) DFM



1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

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



1.5 Amp. Miniature Glass Passivated Single-Phase Bridge Rectifier

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