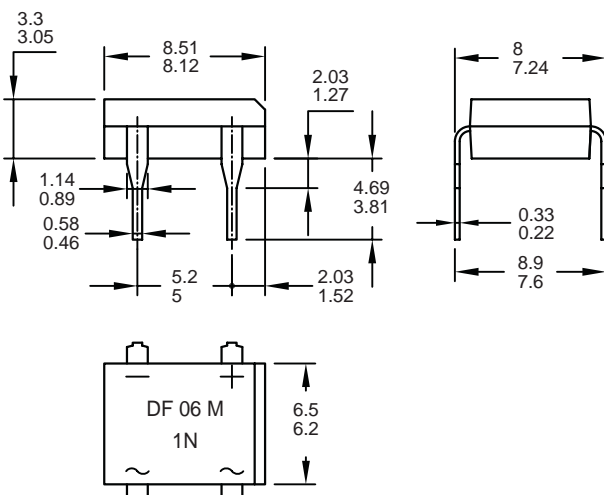



1 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> 	<p>DF-M</p>	<p>Voltage 200 to 1000 V</p> <p>Current 1 Amp. at 40 °C</p> 
<ul style="list-style-type: none"> • Glass Passivated Junction • Package: DUAL IN LINE • Ideal for PCB • Lead and polarity identifications 		

Maximum Ratings, according to IEC publication No. 134

		DF02M	DF04M	DF06M	DF08M	DF10M
	Marking code	DF02M	DF04M	DF06M	DF08M	DF10M
V_{RRM}	Peak recurrent reverse voltage (V)	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	140	280	420	560	700
V_R	Recommended Input Voltage (V)	80	125	250	380	500
$I_{F(AV)}$	Forward current at $T_{amb} = 40\text{ °C}$ R Load L Load	1.0 A 0.8 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 ($t = 8.3\text{ ms}$)	10 A ² sec				
T_j	Operating temperature range	- 65 to + 150 °C				
T_{stg}	Storage temperature range	- 65 to + 150 °C				

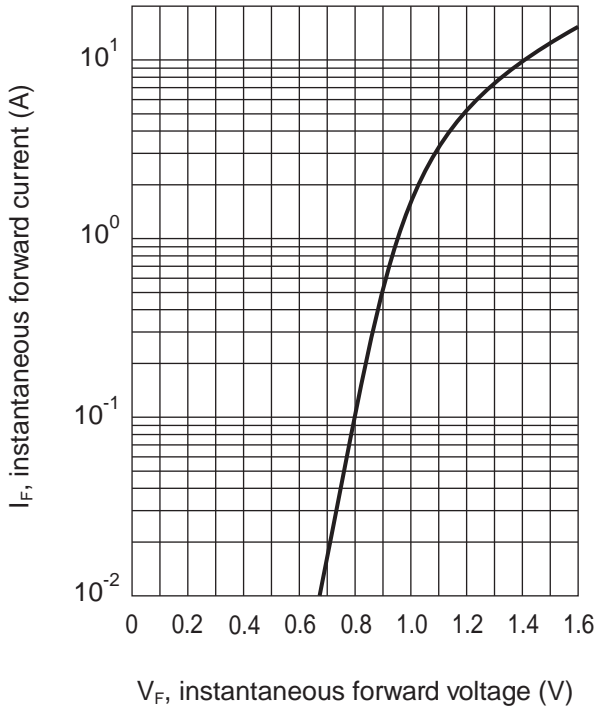
Electrical Characteristics at $T_{amb} = 25\text{ °C}$

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

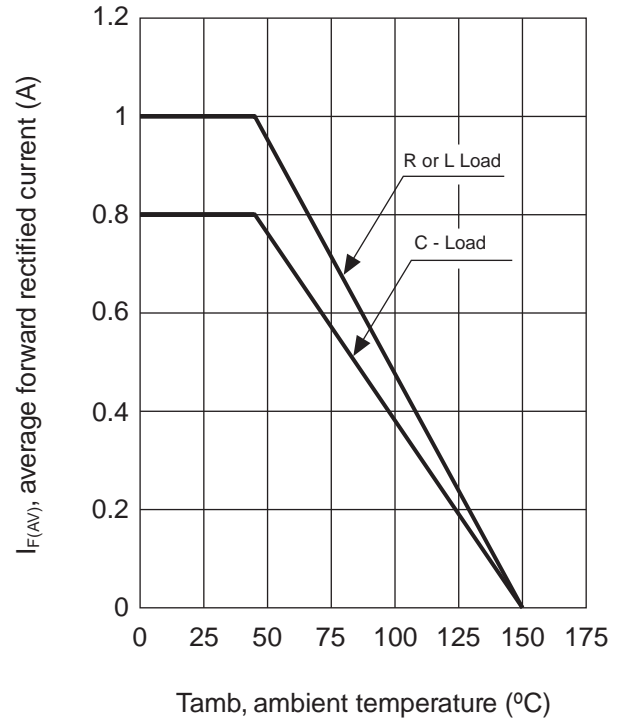
(*) NOTE: Thermal Resistance from junction to ambient mounted on P.C. Board with 13 mm. sq. Copper Pads

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

