

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 Tamb = 40 °C R Load C Load	1.0 A 0.8 A				
I_{FRM}	Recurrent peak forward current	10 A				
I_{FSM}	8.3 ms. peak forward current (Jedec Method)	50 A				
I^2t	I^2t value for fusing (t = 8.3 ms)	10 A ² sec				
T_j	Operating temperature range	- 65 to + 150				
T_{STG}	Storage temperature range	- 65 to + 150 °C				

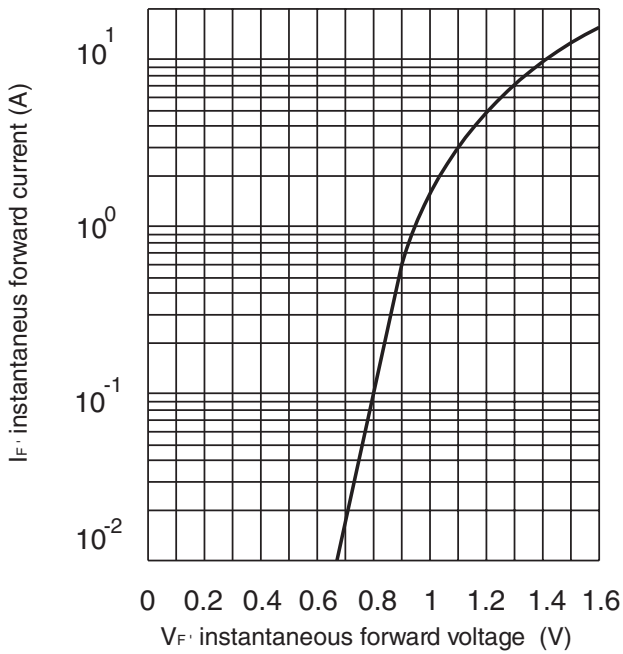
Electrical Characteristics at Tamb = 25 °C

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
$R_{th(j-a)}$	Maximum thermal resistance junction to ambient (*)	65 °C/W

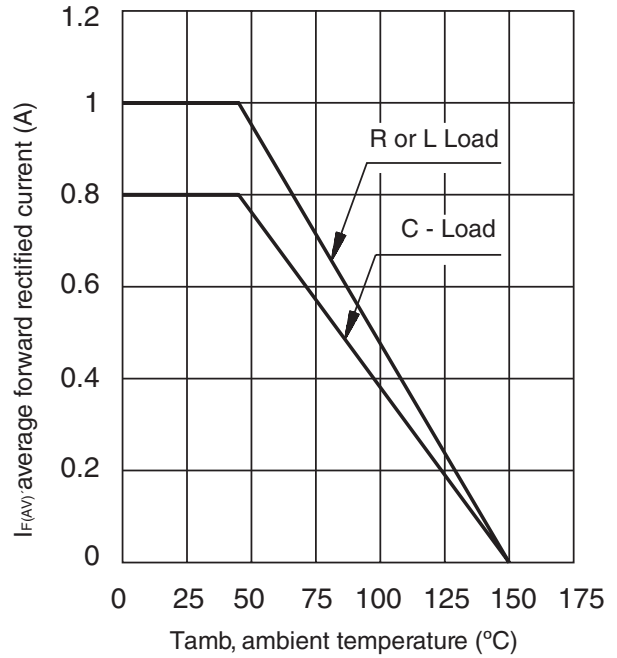
(*) NOTE: Thermal resistance from junction to ambient mounted on P.C. Board with 13 mm. sq. Copper Pads

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

