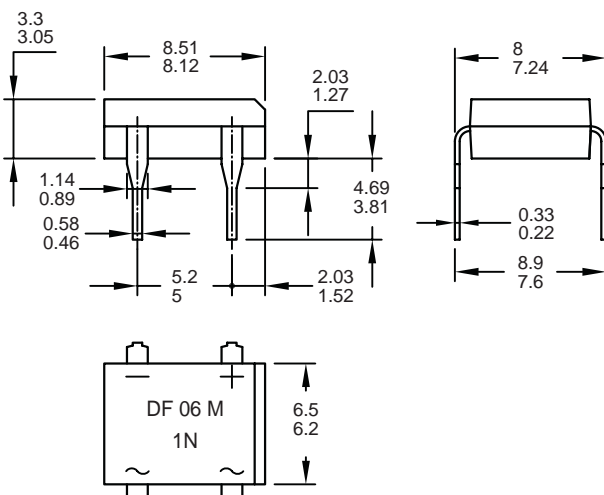



### 1 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <p style="text-align: center;"><b>DF-M</b></p> 	<p style="text-align: center;"><b>Voltage</b> 200 to 1000 V</p> <p style="text-align: center;"><b>Current</b> 1 Amp. at 40 °C</p> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>• <b>Glass Passivated Junction</b></li> <li>• Package: DUAL IN LINE</li> <li>• Ideal for PCB</li> <li>• Lead and polarity identifications</li> </ul>
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### 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 <sup>2</sup> sec				
$T_j$	Operating temperature range	- 65 to + 150 °C				
$T_{stg}$	Storage temperature range	- 65 to + 150 °C				

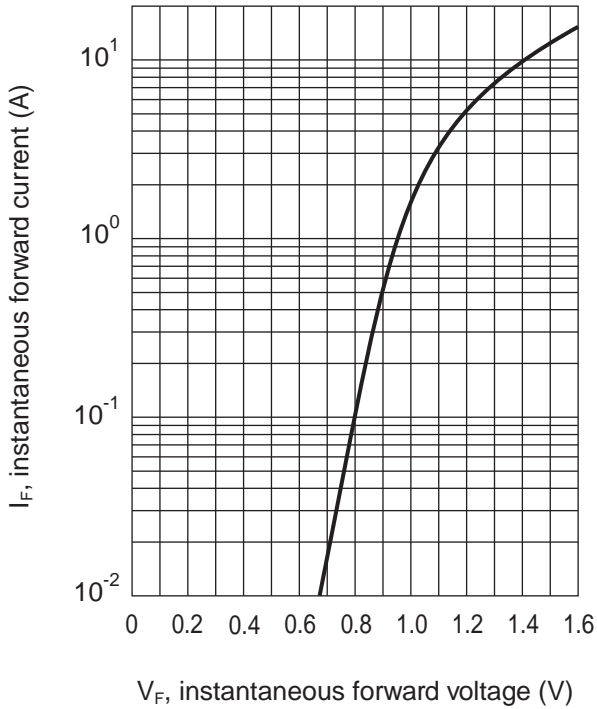
### Electrical Characteristics at $T_{amb} = 25\text{ °C}$

$V_F$	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 $\mu\text{A}$ 500 $\mu\text{A}$
$R_{th(j-a)}$	Maximum thermal resistance junction to ambient (*)	65 °C/W

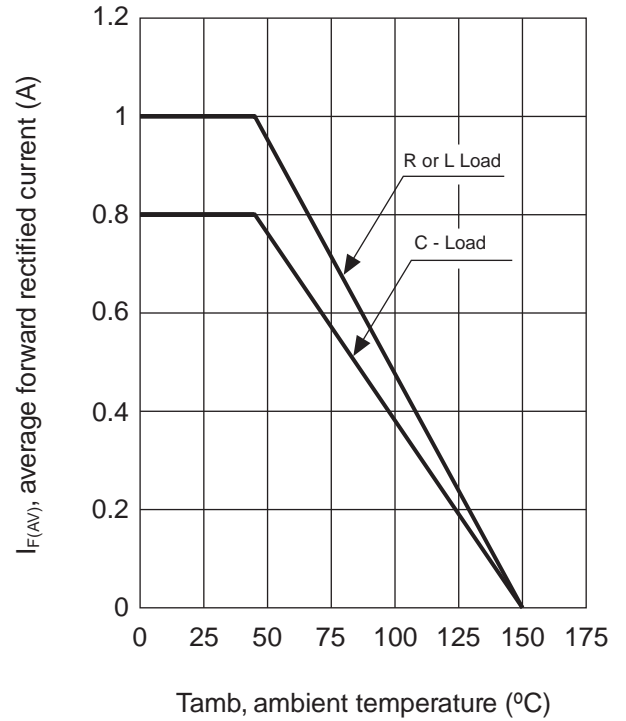
(\*) NOTE: Thermal Resistance from junction to ambient mounted on P.C. Board with 13 mm. sq. Copper Pads

**Characteristic Curves**

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

