

## 1.5 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <p>Plastic Case</p> <p><b>• Mounting Instructions</b></p> <ul style="list-style-type: none"> <li>• High temperature soldering guaranteed: 260 °C – 10 sc.</li> <li>• Recommended mounting torque: 8 Kg.cm.</li> </ul>	<p>Voltage 100 to 1000 V.</p> <p>Current 1.5 A.</p>
	<p><b>• Glass Passivated Junction Chips.</b></p> <ul style="list-style-type: none"> <li>• UL recognized under component index file number E130180.</li> <li>• Lead and polarity identifications.</li> <li>• Case: Molded Plastic.</li> <li>• Ideal for printed circuit board (P.C.B.).</li> <li>• The plastic material carries U/L recognition 94 V-O.</li> </ul>

### Maximum Ratings, according to IEC publication No. 134

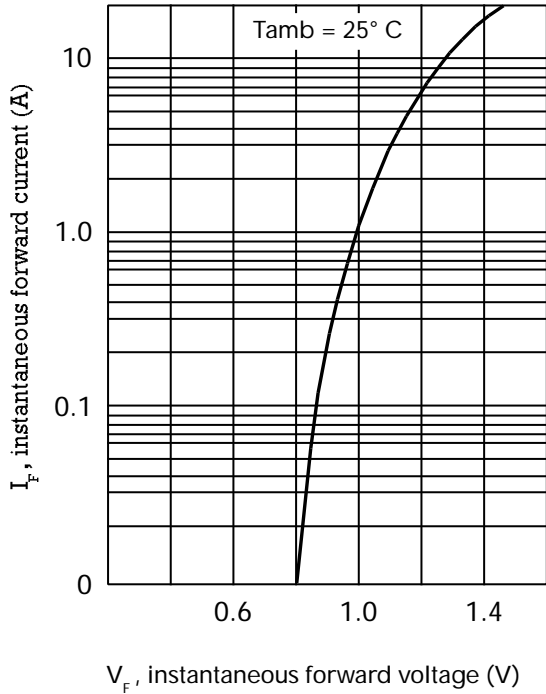
	FBI1.5B 5S2	FBI1.5D 5S2	FBI1.5F 5S2	FBI1.5J 5S2	FBI1.5L 5S2	FBI1.5M 5S2
$V_{RRM}$	Peak Recurrent Reverse Voltage (V)					
$V_{RMS}$	Maximum RMS Voltage (V)					
$V_R$	Recommended Input Voltage (V)					
$I_{F(AV)}$	Max. Average forward current with heatsink without heatsink					
$I_{FRM}$	Recurrent peak forward current					
$I_{FSM}$	10 ms. peak forward surge current					
$I^2t$	$I^2t$ value for fusing (t = 10 ms)					
$V_{DIS}$	Dielectric strength (terminals to case, AC 1 min.)					
$T_j$	Operating temperature range					
$T_{stg}$	Storage temperature range					

### Electrical Characteristics at Tamb = 25°C

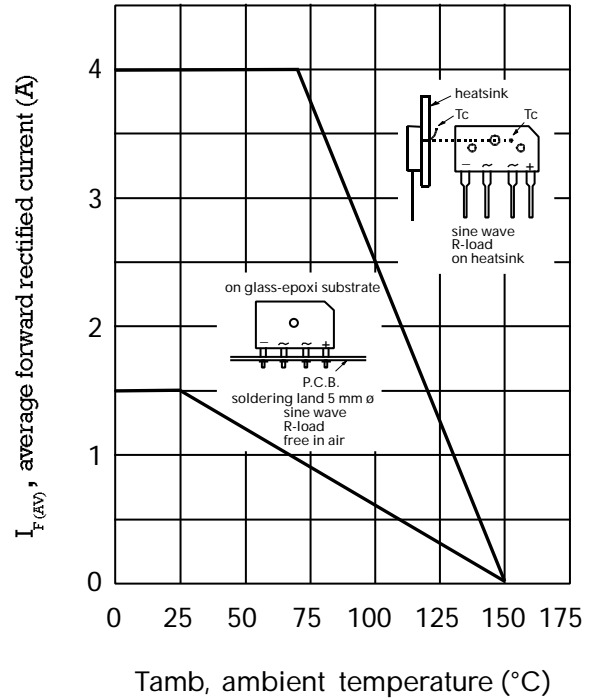
$V_F$	Max. forward voltage drop per element at $I_F = 1 A$	1.1 V
$I_R$	Max. reverse current per element at $V_{RRM}$	5 $\mu A$
$R_{th(j-c)}$	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink.	12 °C/W
$R_{th(j-a)}$	Junction-Ambient. Without Heatsink.	45 °C/W

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

