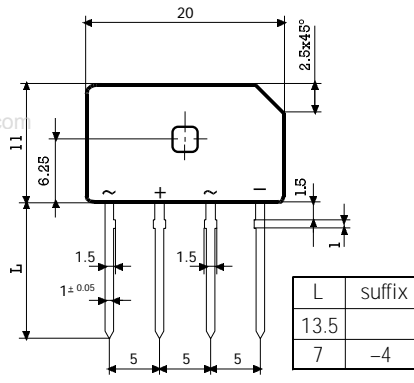
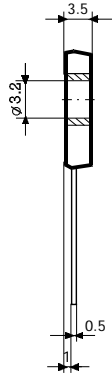



1.5 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p>  <p style="text-align: center;">Plastic Case</p>  <p>• Mounting Instructions</p> <ul style="list-style-type: none"> • High temperature soldering guaranteed: 260 °C – 10 sc. • Recommended mounting torque: 8 Kg.cm. 	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Voltage 100 to 1000 V.</td> <td style="text-align: center; width: 50%;">Current 1.5 A.</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <p>• Glass Passivated Junction Chips.</p> <ul style="list-style-type: none"> • UL recognized under component index file number E130180. • Lead and polarity identifications. • Case: Molded Plastic. • Ideal for printed circuit board (P.C.B.). • The plastic material carries U/L recognition 94 V-O. 	Voltage 100 to 1000 V.	Current 1.5 A.
Voltage 100 to 1000 V.	Current 1.5 A.		

Maximum Ratings, according to IEC publication No. 134

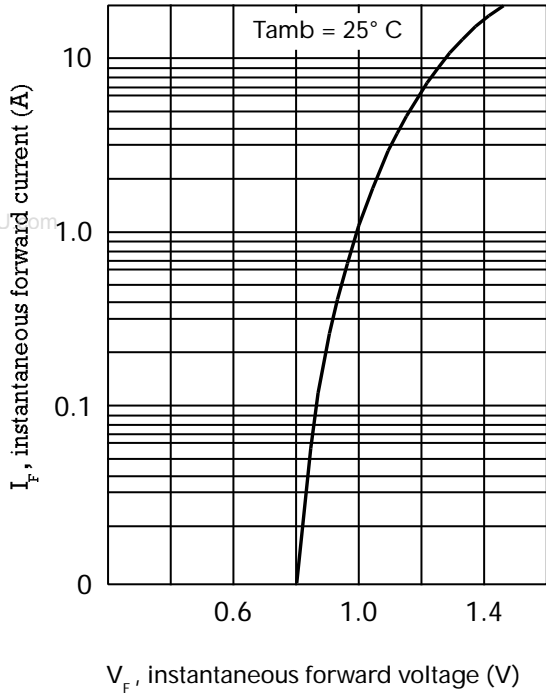
		FBI1.5B 5S2	FBI1.5D 5S2	FBI1.5F 5S2	FBI1.5J 5S2	FBI1.5L 5S2	FBI1.5M 5S2
V_{RRM}	Peak Recurrent Reverse Voltage (V)	100	200	300	600	900	1000
V_{RMS}	Maximum RMS Voltage (V)	70	140	210	420	630	700
V_R	Recommended Input Voltage (V)	40	80	125	250	380	500
$I_{F(AV)}$	Max. Average forward current with heatsink without heatsink	4.0 A at 65 °C 1.5 A at 25 °C					
I_{FRM}	Recurrent peak forward current	10 A					
I_{FSM}	10 ms. peak forward surge current	50 A					
I^2t	I^2t value for fusing (t = 10 ms)	12 A ² sec					
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	1500 V					
T_j	Operating temperature range	– 40 to + 150 °C					
T_{stg}	Storage temperature range	– 40 to +150 °C					

Electrical Characteristics at Tamb = 25 °C

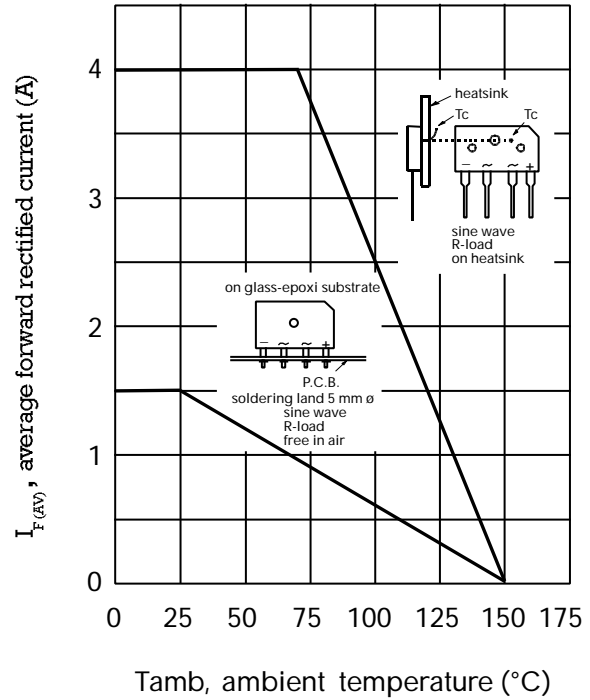
V_F	Max. forward voltage drop per element at $I_F = 1 A$	1.1 V
I_R	Max. reverse current per element at V_{RRM}	5 µA
$R_{th(j-c)}$	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink.	12 °C/W
$R_{th(j-a)}$	Junction-Ambient. Without Heatsink.	45 °C/W

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

