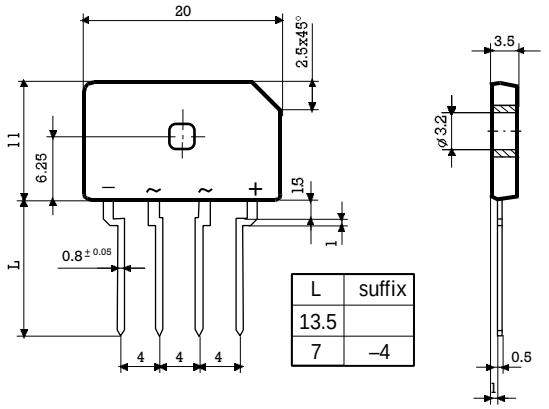
2.5 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.

Plastic Case



L	suffix
13.5	
7	–4

- **Mounting Instructions**
- High temperature soldering guaranteed: 260 ºC – 10 sc.
- Recommended mounting torque: 8 Kg.cm.

Voltage 50 to 1000 V.

Current 2.5 A.

HYPERECTIFIER®

- **Glass Passivated Junction Chips.**
- UL recognized under component index file number E320541.
- 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.

Maximum Ratings, according to IEC publication No. 134

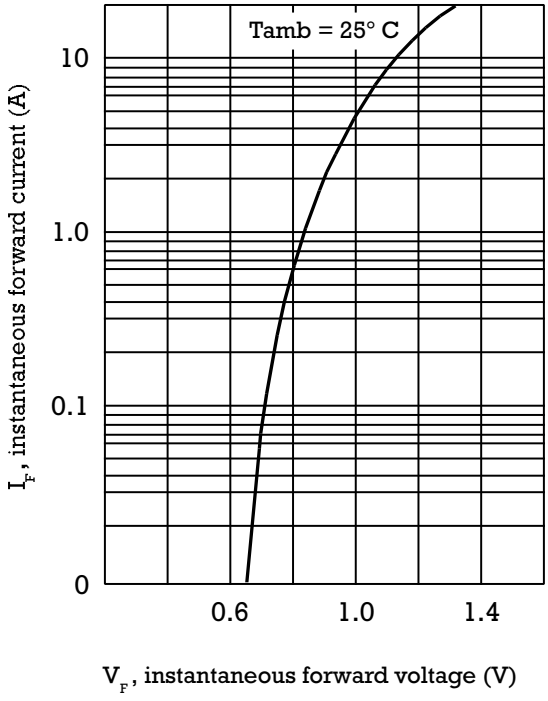
		FBI2.5A 4S1	FBI2.5B 4S1	FBI2.5D 4S1	FBI2.5G 4S1	FBI2.5J 4S1	FBI2.5K 4S1	FBI2.5M 4S1
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	35	70	140	280	420	560	700
$I_{F(AV)}$	Max. Average forward current with heatsink without heatsink	4.5 A at 65 ºC 2.5 A at 25 ºC						
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	100 A						
I^2t	Rating for fusing (t<8.3 ms.)	41 A^2 sec						
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	1500 V						
T_j	Operating temperature range	– 55 to + 150 °C						
T_{stg}	Storage temperature range	– 55 to +150 ºC						

Electrical Characteristics at Tamb = 25°C

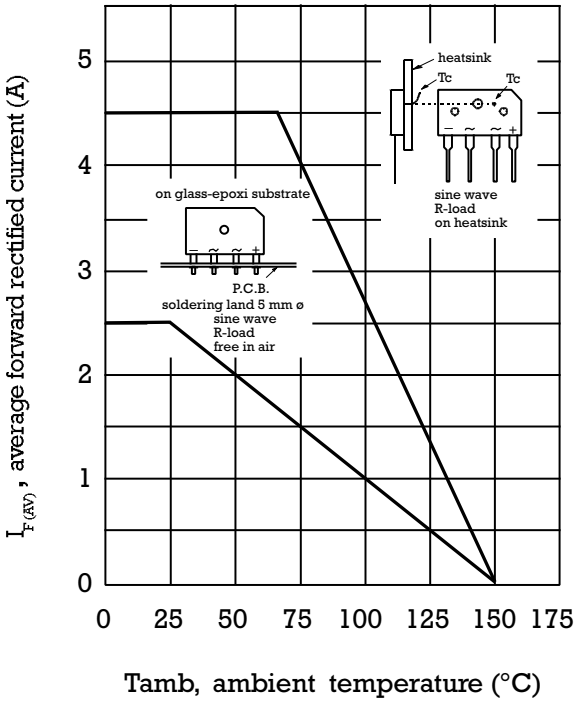
V_F	Max. forward voltage drop per element at I_F = 2.5 A	1.0 V
I_R	Max. reverse current per element at V_{RRM}	5 µA
	MAXIMUM THERMAL RESISTANCE	
$R_{th\ (j-c)}$	Junction-Case. With Heatsink.	12 ºC/W
$R_{th\ (j-a)}$	Junction-Ambient. Without Heatsink.	40 ºC/W

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT