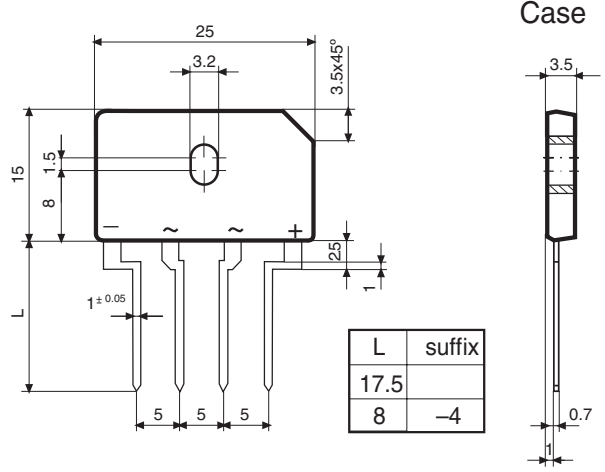



10 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p>  <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <th>L</th> <th>suffix</th> </tr> <tr> <td>17.5</td> <td></td> </tr> <tr> <td>8</td> <td>-4</td> </tr> </table> <ul style="list-style-type: none"> • Mounting Instructions • High temperature soldering guaranteed: 260 °C – 10 sc. • Recommended mounting torque: 8 Kg.cm. 	L	suffix	17.5		8	-4	<p style="text-align: center;">Voltage 50 to 1000 V.</p> <p style="text-align: center;">Current 10 A.</p> <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> • 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.). • High surge current capability. • The plastic material carries U/L recognition 94 V-O.
L	suffix						
17.5							
8	-4						

Maximum Ratings, according to IEC publication No. 134

		FBI10A 5M1	FBI10B 5M1	FBI10D 5M1	FBI10G 5M1	FBI10J 5M1	FBI10K 5M1	FBI10M 5M1
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	10.0 A at 100 °C 3.0 A at 25 °C						
I_{FSM}	10 ms. peak forward surge current (Jedec Method)	170 A						
I^2t	Current squared time (rating for fusing) (1ms.<t<10ms. Tc = 25°C)	110 A ² sec						
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	2500 V						
T_j	Operating temperature range	- 55 to + 150 °C						
T_{stg}	Storage temperature range	- 55 to +150 °C						

Electrical Characteristics at Tamb = 25°C

V_F	Max. forward voltage drop per diode at $I_F = 5.0 A$	1.10V
I_R	Max. instantaneous reverse current at V_{RRM}	5 μA
R_{th}	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink.	2.2 °C/W
R_{th}	Junction-Ambient. Without Heatsink.	22 °C/W



10 Amp. Glass Passivated Bridge Rectifier

Characteristic Curves

