

10 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p> <p>The drawings show the following dimensions: - Metal heat sink: 0.8 ± 0.05, 6.35 ± 0.05, Ø 2.5, 7.6 ± 0.2, 18.5 ± 1. - Epoxy case: 18.1, 14.3, 16.6, Ø 5.21 ± 0.1, 16.6, 18.1 ± 0.5, 11.4 ± 0.5, 18.1 ± 0.5, Ø 28.8 ± 0.2. - Other: 1.05, Ø 1 ± 0.05, 32.5 ± 1, 1.05 ± 0.2.</p>	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Voltage 50 to 1000 V</td> <td style="text-align: center; width: 50%;">Current 10 A</td> </tr> </table> <div style="text-align: center; margin: 10px 0;"> </div> <ul style="list-style-type: none"> • Glass Passivated Junction • UL recognized under component index file number E130180 • Terminals: FASTON ① • Terminals: WIRE LEADS ② • Max. Mounting Torque: 25 Kg x cm <p>Lead and polarity identifications High surge current capability</p>	Voltage 50 to 1000 V	Current 10 A
Voltage 50 to 1000 V	Current 10 A		

Maximum Ratings, according to IEC publication No. 134

		①	FB1000	FB1001	FB1002	FB1004	FB1006	FB1008	FB1010
		②	FB1000L	FB1001L	FB1002L	FB1004L	FB1006L	FB1008L	FB1010L
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
V_R	Recommended Input Voltage (V)		20	40	80	125	250	380	500
$I_{F(AV)}$	Max. forward current R-load: At T case = 55 °C At T case = 90 °C With Al Square Chassis (200 cm ² x 3 mm.) Tamb = 45 °C		10 A 7.5 A 5 A						
I_{FRM}	Recurrent peak forward current		50 A						
I_{FSM}	10 ms. peak forward current		200 A						
I^2t	I^2t value for fusing (t = 10 ms)		200 A ² sec						
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 element at $I_F = 5 A$	1.1 V
I_R	Max. reverse current per element at V_{RRM} d.c.	5 µ A
R_{thj-c}	Typical thermal resistance junction to case	2 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

