

10 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.	Voltage 50 to 1000 V Current 10 A HYPERECTIFIER® - 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 Lead and polarity identifications High surge current capability
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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 µA
R_{thj-c}	Typical thermal resistance junction to case	2 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

