

25 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm. 	Voltage 50 to 1000 V Current 25 A  <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 Lead and polarity identifications High surge current capability
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Maximum Ratings, according to IEC publication No. 134

		(1)	FB2500	FB2501	FB2502	FB2504	FB2506	FB2508	FB2510
		(2)	FB2500L	FB2501L	FB2502L	FB2504L	FB2506L	FB2508L	FB2510L
V_{RWM}	Max. peak working voltage (V)		50	100	200	400	600	800	1000
V_{RMS}	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						25 A	17 A	
I_{FRM}	Recurrent peak forward current						75 A		
I_{FSM}	10 ms. peak forward current						300 A		
I^2t	I^2t value for fusing (t = 10 ms)						450 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 $I_F = 12.5 \text{ A}$	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	1.4 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

