

25 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</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 25 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 25 A
Voltage 50 to 1000 V	Current 25 A		

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_{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	25 A 17 A 10 A						
I_{FRM}	Recurrent peak forward current	75 A						
I_{FSM}	10 ms. peak forward current	300 A						
I^2t	I ² t 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 $I_F = 12.5$ 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	1.4 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

