

25 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.

Voltage
50 to 1000 V

Current
25 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

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 10 A							
I _{FRM}	Recurrent peak forward current	75 A							
I _{FSM}	10 ms. peak forward current	300 A							
I ² t	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 $I_F = 12.5\text{ A}$	1.1 V
I_R	Max. reverse current per element at V_{RRM} d.c.	5 $\mu\text{ A}$
R_{th-j-c}	Typical thermal resistance junction to case	1.4 $^{\circ}\text{C/W}$
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

