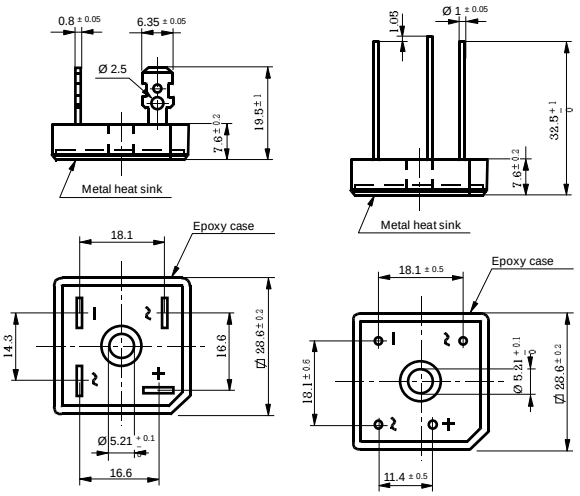
FAGOR

FB2500..... FB2510
FB2500L..... FB2510L

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

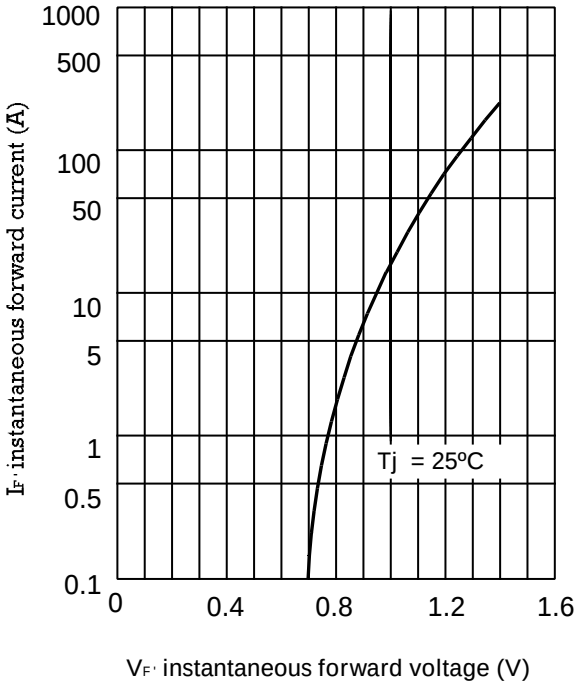
		① FB2500	FB2501	FB2502	FB2504	FB2506	FB2508	FB2510
		② FB2500L	FB2501L	FB2502L	FB2504L	FB2506L	FB2508L	FB2510L
V_{RRM}	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	35	70	140	280	420	560	700
V_R	Recommended Input Voltage (V)	20	40	80	125	250	380	500
$I_{F(AV)}$	Max. forward current R-load: At T case = 55 °C	25 A						
	At T case = 90 °C	17 A						
	With Al Square Chassis (200 cm^2 x 3 mm.) Tamb = 45 °C	10 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^2sec						
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

TYPICAL FORWARD CHARACTERISTIC



MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT