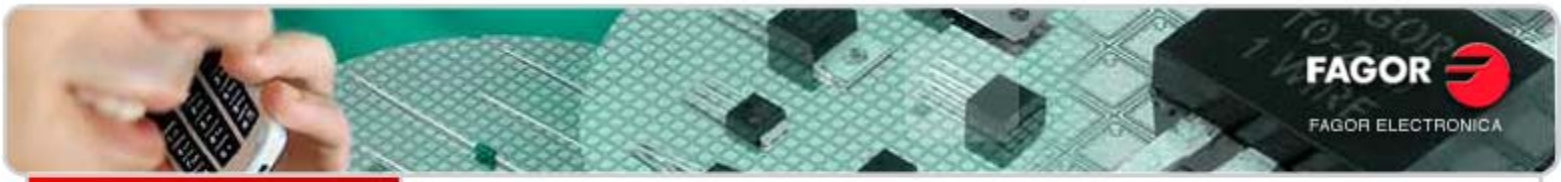


Product: Bridge Rectifiers (Power)

Bridge Rectifiers are key devices in many applications where a rectifier signal is required as Input voltage. Linear Power Supplies, SMPS, Battery Chargers, Electronic Ballast... are some applications where they are used.

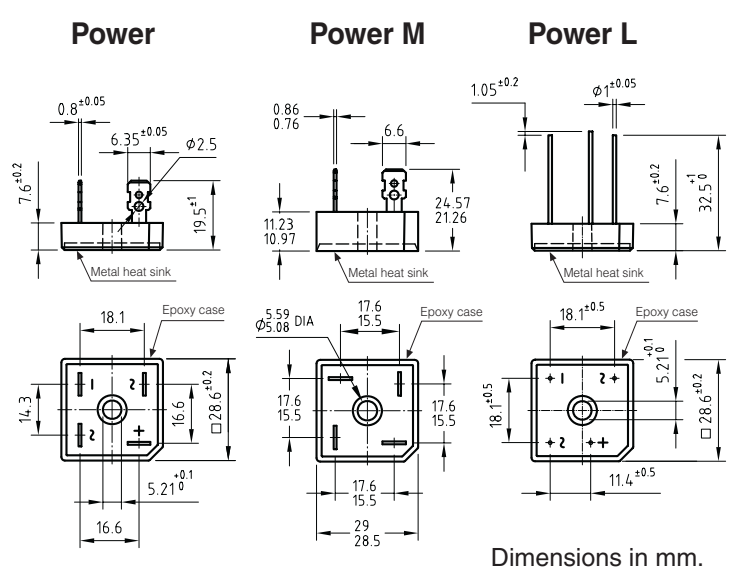
Manufactured using HYPERECTIFIER© technology, we offer these devices in several different packages: SMD, Dual In Line, Round, In Line and Square Power.

Product	Family	$I_{F(AV)}$(A)	I_{FSM}(A)	V_{RRM}(V)	V_F(V)	OUTLINE
FB2506-B250/220-25	FB25	25.0	300	600	1.1	Power - Faston

FAGOR

FB2500.....FB2510
FB2500L.....FB2510L
FB2500M.....FB2510M

25 Amp. Glass Pasivated Bridge Rectifiers



Voltage	Current
50 to 1000 V	25 A

HYPERECTIFIER®

- Glass Passivated Junction
- UL recognized under component index file number E320541.
- 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
	①	FB2500M	FB2501M	FB2502M	FB2504M	FB2506M	FB2508M	FB2510M
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 = 10ms)	450 A^2sec						
T_j	Operating junction 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	Maximum 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