



semiconductors

company

product

sales network

site index

contact us

semiconductors :: product :: [Bridge Rectifiers \(Power\)](#)

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 HYPERRECTIFIER® 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
FB3510-B500/440-35	FB35	35.0	400	1000	1.1	Power - Faston

35 Amp. Glass Pasivated Bridge Rectifiers

Power	Power M	Power L	Voltage 50 to 1000 V	Current 35 A
				<ul style="list-style-type: none"> • 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
Dimensions in mm.				

Maximum Ratings, according to IEC publication No. 134

		①	FB3500	FB3501	FB3502	FB3504	FB3506	FB3508	FB3510
		②	FB3500L	FB3501L	FB3502L	FB3504L	FB3506L	FB3508L	FB3510L
		③	FB3500M	FB3501M	FB3502M	FB3504M	FB3506M	FB3508M	FB3510M
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		35 A 20 A 12 A						
I_{FRM}	Recurrent Peak Forward Current		75 A						
I_{FSM}	10 ms. Peak Forward Current		400 A						
I^2t	I^2t value for fusing (t = 10ms)		800 A ² sec						
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 $I_F = 17.5$ A	1.1 V
I_R	Maximum reverse current per element at V_{RRM} d.c.	5 μ A
R_{thj-C}	Typical thermal resistance junction to case	1.3 °C/W
	Isolation voltage from case to leads	2500 Vac