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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.

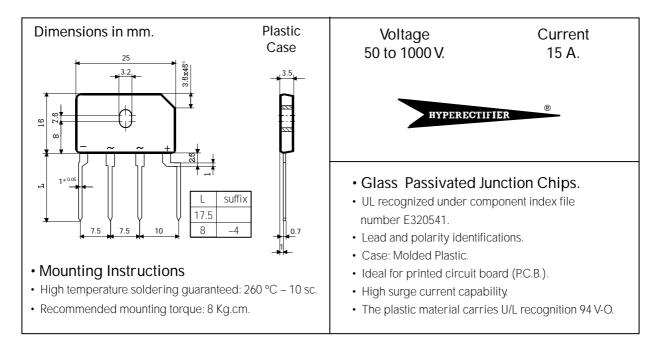
Manufactured using HYPERECTIFIER© technology, we offer these devices in several different packages: SMD, Dual In Line, Round, In Line and Square Power.

Product	Family	I _{F(AV)} (A)	I _{FSM} (A)	V _{RRM} (V)	V _F (V)	OUTLINE
FBI15M1M1	FBI15-1M1	15.0	200	1000	1.1	In Line medium





15 Amp. Glass Passivated Bridge Rectifier



Maximum Ratings, according to IEC publication No. 134

		FBI15A 1M1	FBI15B 1M1	FBI15D 1M1	FBI15G 1M1	FBI15J 1M1	FBI15K 1M1	FBI15M 1M1		
Vrrm	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000		
Vrms	Maximum RMS voltage (V)	35	70	140	280	420	560	700		
I _{F(AV)}	Max. Average forward current with heatsink without heatsink		15.0 A at 75 °C 3.2 A at 25 °C							
FSM	10 ms. peak forward surge current (Jedec Method)		200 A							
l ² t	Current squared time (rating for fusing) (1ms. <t<10ms. tc="25°C)</td"><td colspan="7">110 A² sec</td></t<10ms.>		110 A ² sec							
VDIS Dielectric strength (terminals to case, AC 1 min.)		2500 V								
T _j	T _j Operating temperature range		– 55 to + 150 °C							
T _{stg}	T _{stg} Storage temperature range		– 55 to +150 °C							

Electrical Characteristics at Tamb = 25°C

V _F	Max. forward voltage drop per diode at $\rm I_{\rm F}$ = 7.5 A	1.10V
I _R	Max. instantaneous reverse current at $V_{\text{\tiny RRM}}$	5μ Α
	MAXIMUM THERMAL RESISTANCE	
R _{th (j-c)}	Junction-Case. With Heatsink.	2.2 °C/W
R _{th (j-a)}	Junction-Ambient. Without Heatsink.	22 °C/W