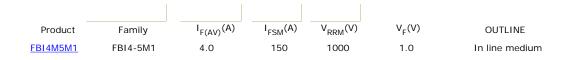


semiconductors :: product :: Bridge Rectifiers (In Line)

## Product: Bridge Rectifiers (In Line)

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  $\mbox{\sc b}$  technology, we offer these devices in several different packages: SMD, Dual In Line, Round, In Line and Square Power.

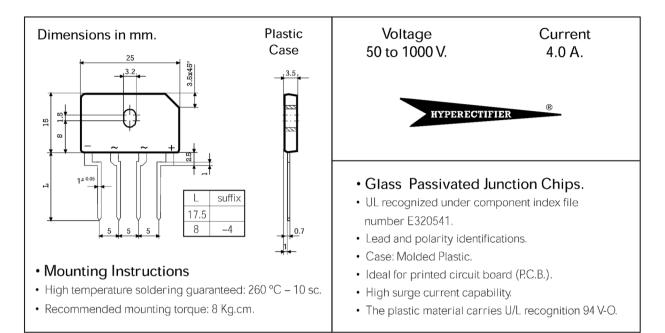








## 4 Amp. Glass Passivated Bridge Rectifier



## Maximum Ratings, according to IEC publication No. 134

		FBI4A 5M1	FBI4B 5M1	FBI4D 5M1	FBI4G 5M1	FBI4J 5M1	FBI4K 5M1	FBI4M 5M1
V <sub>RRM</sub>	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
V <sub>RMS</sub>	Maximum RMS voltage (V)	35	70	140	280	420	560	700
<sub>F(AV)</sub>	Max. Average forward current with heatsink without heatsink	4.0 A at 100 °C 3.0 A at 40 °C						
FSM	8.3 ms. peak forward surge current	150 A						
<sup>2</sup> t	Rating for fusing ( t<8.3 ms.)	93 A <sup>2</sup> sec						
Vdis	Dielectric strength (terminals to case, AC 1 min.)	1500 V						
Tj	Operating temperature range	– 55 to + 150 °C						
T <sub>stg</sub>	Storage temperature range	– 55 to +150 °C						

## Electrical Characteristics at Tamb = 25°C

V <sub>F</sub>	Max. forward voltage drop per element at $I_{\rm F}$ = 4 A	1.0V
I <sub>R</sub>	Max. reverse current per element at $V_{\mbox{\tiny RRM}}$	5µA
	MAXIMUM THERMAL RESISTANCE	
R <sub>th (j-c)</sub>	Junction-Case. With Heatsink.	5 °C/W
R <sub>th (j-a)</sub>	Junction-Ambient. Without Heatsink.	22 °C/W