

4 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.

L	suffix
17.5	
8	-4

Plastic Case

Voltage
50 to 1000 V.

Current
4.0 A.

HYPERECTIFIER®

- Glass Passivated Junction Chips.
- UL recognized under component index file number E130180.
- Lead and polarity identifications.
- Case: Molded Plastic.
- Ideal for printed circuit board (P.C.B.).
- High surge current capability.
- The plastic material carries U/L recognition 94 V-O.

Maximum Ratings, according to IEC publication No. 134

		FBI4A 5M1	FBI4B 5M1	FBI4D 5M1	FBI4G 5M1	FBI4J 5M1	FBI4K 5M1	FBI4M 5M1
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
$I_{F(AV)}$	Max. Average forward current with heatsink without heatsink	4.0 A at 100 °C 3.0 A at 40 °C						
I_{FSM}	8.3 ms. peak forward surge current (Iecdec Method)	150 A						
I^2t	Rating for fusing (t<8.3 ms.)	93 A ² sec						
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	1500 V						
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 $I_F = 4\text{ A}$	1.0V
I_R	Max. reverse current per element at V_{RRM}	$5\mu\text{A}$
$R_{th(j-c)}$ $R_{th(j-a)}$	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink. Junction-Ambient. Without Heatsink.	5 °C/W 22 °C/W

Characteristic Curves

