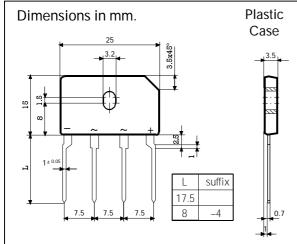
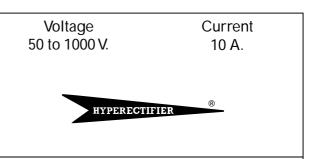


10 Amp. Glass Passivated Bridge Rectifier



Mounting Instructions

- High temperature soldering guaranteed: 260 °C 10 sc.
- Recommended mounting torque: 8 Kg.cm.



• Glass Passivated Junction Chips.

- UL recognized under component index file number E320541.
- · 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

		FBI10A 7M1	FBI10B 7M1	FBI10D 7M1	FBI10G 7M1	FBI10J 7M1	FBI10K 7M1	FBI10M 7M1
Vrrm	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	10.0 A at 100 °C 3.0 A at 25 °C						
IFSM	10 ms. peak forward surge current (Jedec Method)	170 A						
I ² t	Current squared time (rating for fusing) (1ms. <t<10ms. tc="25°C)</td"><td colspan="6">110 A² sec</td></t<10ms.>	110 A ² sec						
VDIS	Dielectric strength (terminals to case, AC 1 min.)	2500 V						
T _i	Operating temperature range	– 55 to + 150 °C						
T_{stg}	Storage temperature range	− 55 to +150 °C						

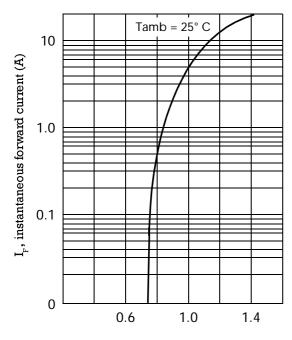
Electrical Characteristics at Tamb = 25°C

V_{F}	Max. forward voltage drop per diode at $I_F = 5.0 \text{ A}$	1.10 V
I _R	Max. instantaneous reverse current at V _{RRM}	5μΑ
	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



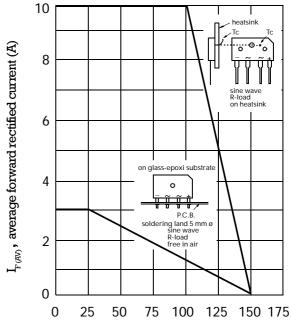
Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



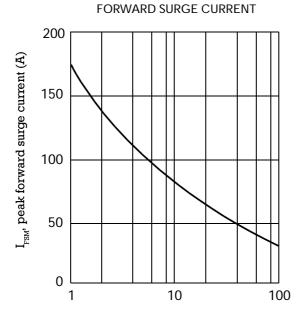
 $V_{_{\rm F}}$, instantaneous forward voltage (V)

FORWARD CURRENT DERATING CURVE



Tamb, ambient temperature (°C)

MAXIMUM NON-REPETITIVE PEAK



Number of cycles at 50 Hz.