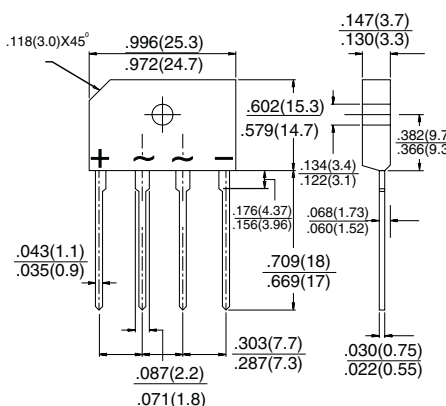


4.0 Amp. Glass Passivated Bridge Rectifier

Plastic Case  • Mounting Instructions • High temperature soldering guaranteed: 260 °C – 10 sc. • Recommended mounting torque: 8 Kg.cm.	Voltage 400 to 1000 V. Current 4.0 HYPERECTIFIER® • Glass Passivated Junction Chips. • 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.
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Maximum Ratings, according to IEC publication No. 134

		D3SB 40	D3SB 60	D3SB 80	D3SB 100
V_{RRM}	Peak recurrent reverse voltage (V)	400	600	800	1000
V_{RMS}	Maximum RMS voltage (V)	280	420	560	700
$I_{F(AV)}$	Max. Average forward current with heatsink without heatsink	4.0 A at 115°C Tc. 3.0 A at 40 °C			
I_{FSM}	10 ms. peak forward surge current (Jedec Method)	120 A			
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	2000 V			
I^2t	Current squared time (rating for fusing) (1ms.<t<10ms. Tc = 25°C)	60 A ² sec			
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 diode at $I_F = 2.0 A$ $I_F = 4.0 A$	1.00V 1.10V
I_R	Max. instantaneous reverse current at V_{RRM}	5μA
$R_{th(j-c)}$ $R_{th(j-a)}$	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink. Junction-Ambient. Without Heatsink.	5.5 °C/W 22 °C/W

4 Amp. Glass Passivated Bridge Rectifier

Characteristic Curves

