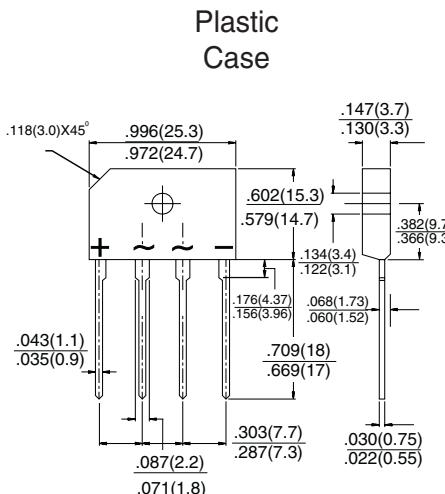


4.0 Amp. Glass Passivated Bridge Rectifier

<p>Plastic Case</p>  <p>Mounting Instructions</p> <ul style="list-style-type: none"> • High temperature soldering guaranteed: 260 °C – 10 sc. • Recommended mounting torque: 8 Kg.cm. 	<p>Voltage 400 to 1000 V.</p> <p>Current 4.0</p> <p></p> <p>• Glass Passivated Junction Chips.</p> <ul style="list-style-type: none"> • 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

		D3SBA 40	D3SBA 60	D3SBA 80	D3SBA 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 100°C Tc. 3.0 A at 40 °C		
I_{FSM}	10 ms. peak forward surge current (Jedec Method)			80 A	
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)			2000 V	
I^2t	Current squared time (rating for fusing) (1ms.< t <10ms. $T_c = 25^\circ C$)			26 A ² sec	
T_j	Operating temperature range			– 55 to + 150 °C	
T_{stg}	Storage temperature range			– 55 to +150 °C	

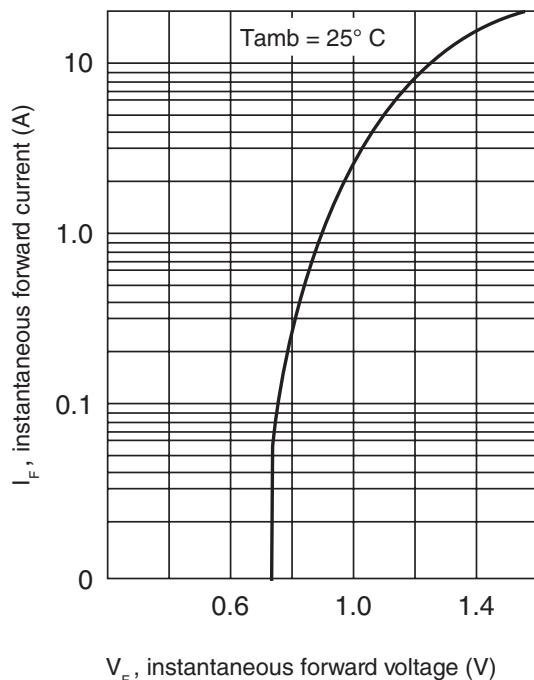
Electrical Characteristics at Tamb = 25°C

V_F	Max. forward voltage drop per diode at $I_F = 2.0 \text{ A}$ $I_F = 4.0 \text{ A}$	1.00V 1.10V
I_R	Max. instantaneous reverse current at V_{RRM}	5µA
$R_{th(j-c)}$	MAXIMUM THERMAL RESISTANCE Junction-Case. With Heatsink.	5 °C/W
$R_{th(j-a)}$	Junction-Ambient. Without Heatsink.	26 °C/W

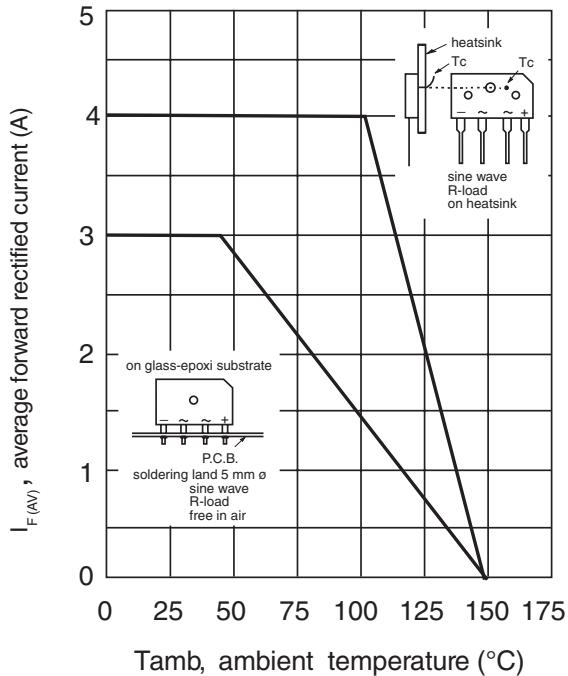
4 Amp. Glass Passivated Bridge Rectifier

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

