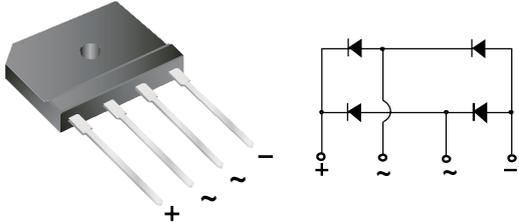


4.0 Amp. Glass Passivated Single Phase In Line Bridge Rectifier

<p>IN LINE MEDIUM</p> 	<p>Voltage 400 V to 1000 V</p>	<p>Current 4.0 A</p>	
	<p>FEATURES</p> <ul style="list-style-type: none"> UL recognition file number E320541, Vol. 2 Ideal for printed circuit board High case dielectric strength of 2000 Vrms High surge current capability Solder dip 260°C, 10s Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC 		  RoHS COMPLIANT
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: IN LINE MEDIUM. Epoxy meets UL 94V-0 flammability rating. Polarity: As marked on body Mounting Torque: 5.5cm·kg (5 in.- lbs.) Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test. 		
	<p>TYPICAL APPLICATIONS</p> <p>Used in ac-to-dc bridge full wave rectification for monitor, TV, printer, switching mode power supply, adapter, audio equipment, and home appliances applications.</p>		

Maximum Ratings and Electrical Characteristics at 25 °C

Marking Code		D3SB40	D3SB60	D3SB80	D3SB100
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	4.0 A at $T_c = 100\text{ °C}$ (Note 1) 2.3 A at $T_A = 25\text{ °C}$ (Note 2)			
I_{FSM}	Peak forward surge current 10ms single half sine-wave superimposed on rated load (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. $T_c = 25\text{ °C}$)	60 A ² sec			
T_j	Operating temperature range	-55 to +150 °C			
T_{stg}	Storage temperature range	-55 to +150 °C			

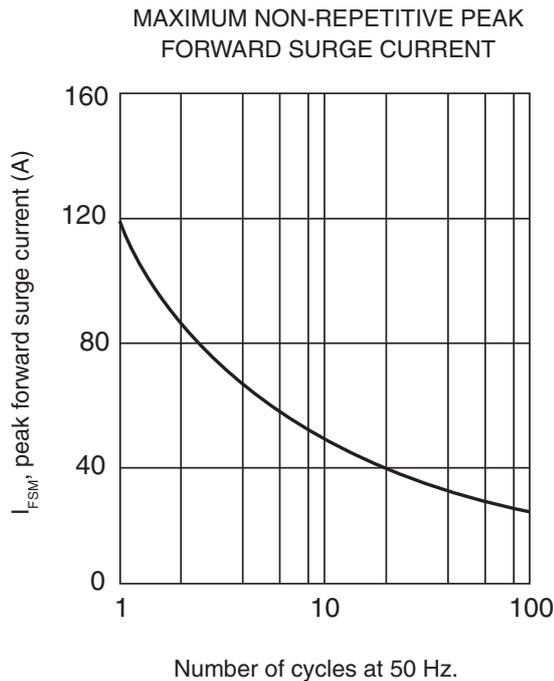
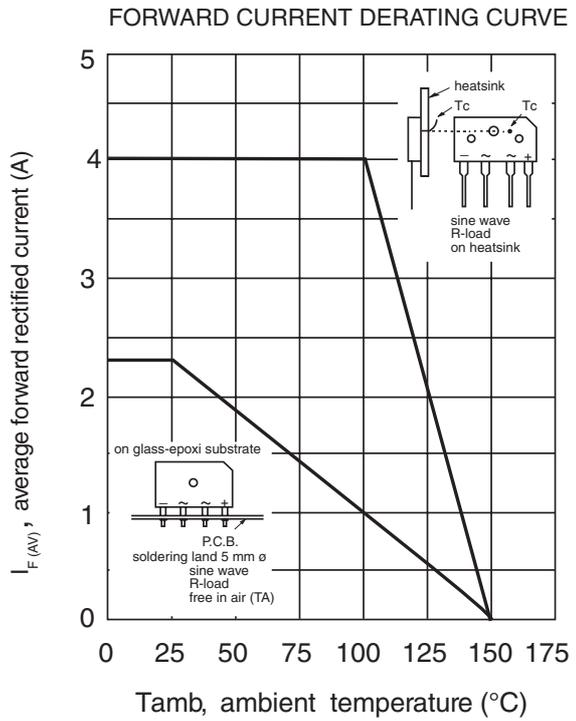
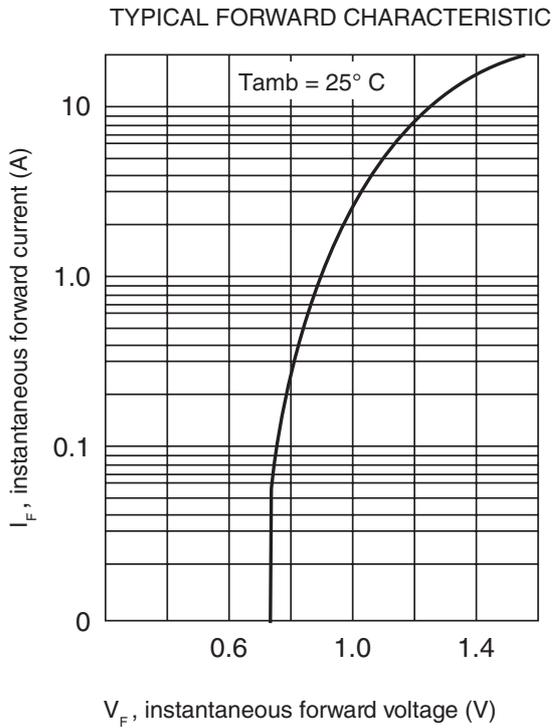
Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop per diode at $I_F = 2.0\text{ A}$ $I_F = 4.0\text{ A}$	1.00 V 1.10 V
I_R	Max. instantaneous reverse current at V_{RRM}	5 μA
$R_{th(j-c)}$	Typical Thermal Resistance Junction-case	5.5 °C/W (Note 1)
$R_{th(j-a)}$	Typical Thermal Resistance Junction-Ambient	26 °C/W (Note 2)

Notes: 1. Unit case mounted on aluminum plate heatsink
2. Units mounted on P.C.B. without heatsink

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Ratings and Characteristics (Ta 25 °C unless otherwise noted)



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