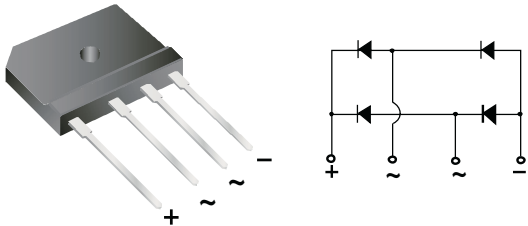




6.0 Amp. Glass Passivated Single Phase In Line Bridge Rectifier

<p>IN LINE BIG</p> 	<p>Voltage 400 V to 1000 V</p>	<p>Current 6.0 A</p>	
<p>FEATURES</p> <ul style="list-style-type: none"> UL recognition file number E320541 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 BIG. 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 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		D6XBA40	D6XBA60	D6XBA80	D6XBA100
Marking Code		D6XBA40	D6XBA60	D6XBA80	D6XBA100
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	6.0 A at $T_c: 100^\circ C$ (Note 1) 2.8 A at $25^\circ C$ (Note 2)			
I_{FSM}	Peak forward surge current 10ms single half sine-wave superimposed on rated load (Jedec Method)	180 A			
V_{DIS}	Dielectric strength (terminals to case, AC 1 min.)	2000 V			
i^2t	Current squared time (rating for fusing) (1ms.<t<10ms. $T_c = 25^\circ C$)	120 A ² sec			
T_j	Operating temperature range	-40 to +150 °C			
T_{stg}	Storage temperature range	-40 to +150 °C			

Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop per diode at $I_F = 3.0 A$	1.00 V
I_R	Max. instantaneous reverse current at V_{RRM}	5 μA
$R_{th(j-c)}$	Typical Thermal Resistance Junction-case Junction-Ambient	3.4 °C/W (Note 1)
$R_{th(j-a)}$		22 °C/W (Note 2)

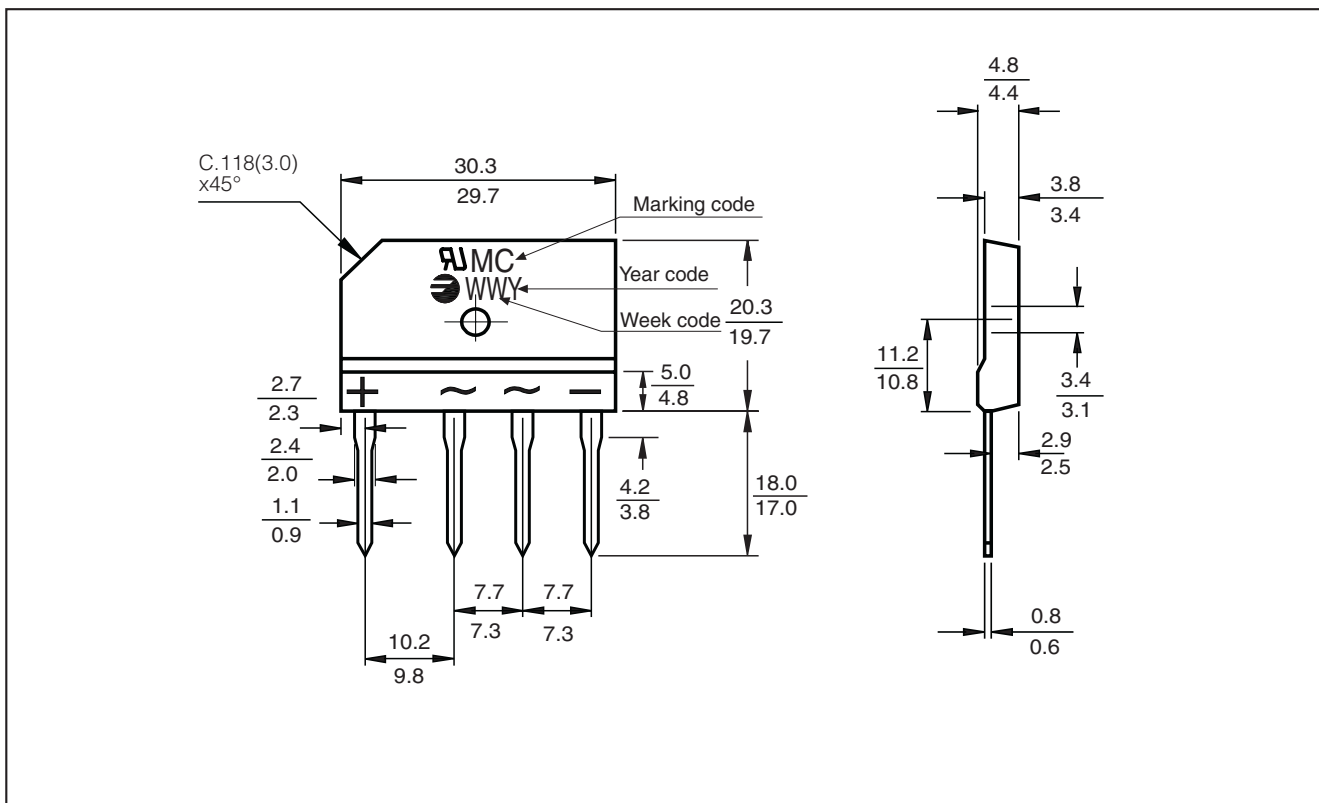
Notes: 1. Unit case mounted on aluminum plate heatsink
2. Units mounted on P.C.B. without heatsink

6.0 Amp. Glass Passivated Single Phase In Line Bridge Rectifier

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
D6XBA60 TY	TY	PAPER TRAY	40	6.8

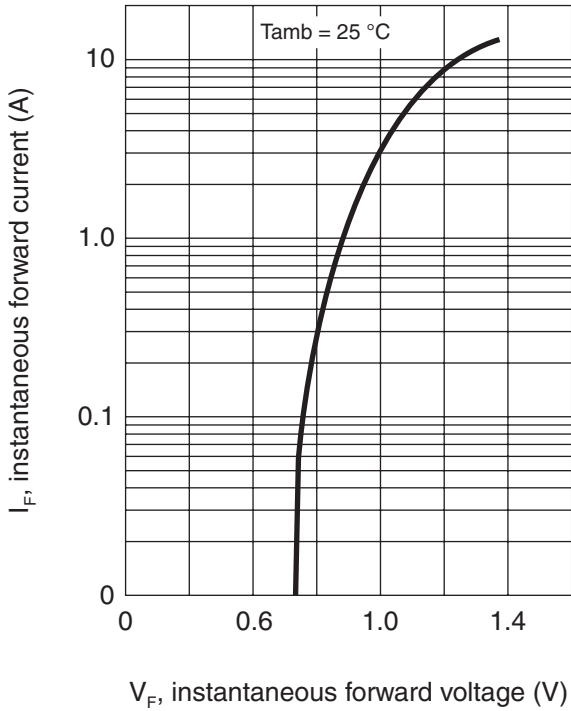
Package Outline Dimensions: (mm) IN LINE BIG



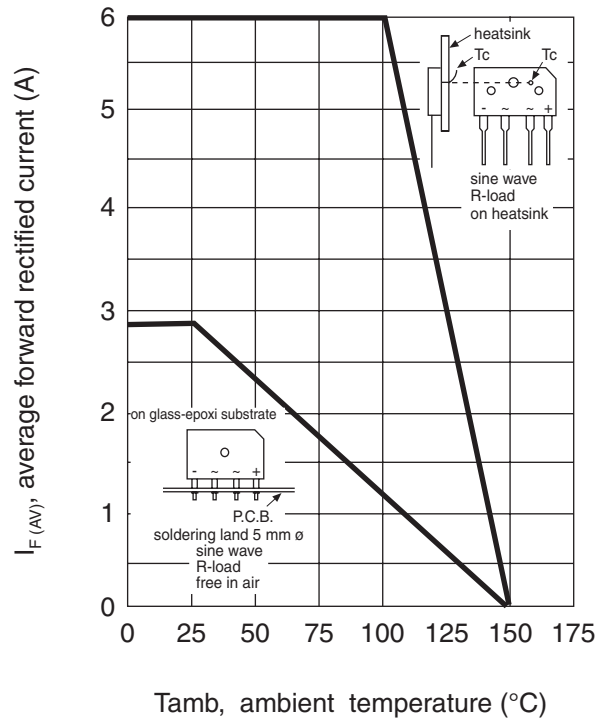
6.0 Amp. Glass Passivated Single Phase In Line Bridge Rectifier

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

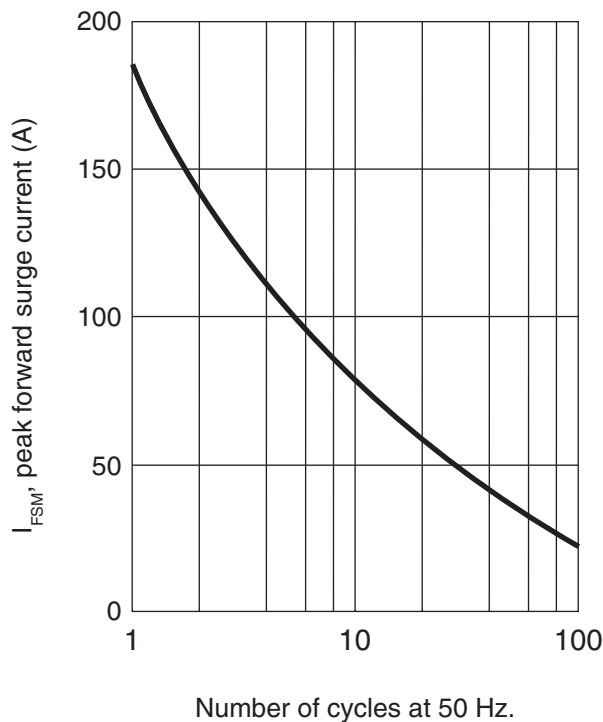
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



6.0 Amp. Glass Passivated Single Phase In Line Bridge Rectifier

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