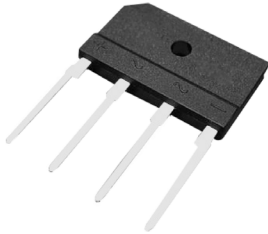


RoHS
Compliant



Features

- Glass passivated
- Ideal for printed circuit board
- Low forward voltage drop, high current capability

Specifications

Reverse Voltage : 100 Volts
Forward Current : 6 Amperes

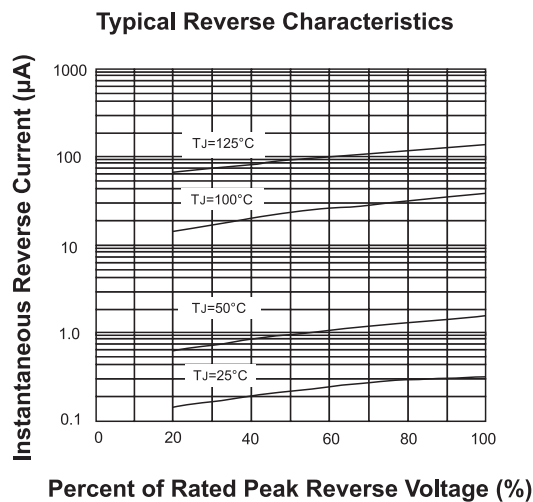
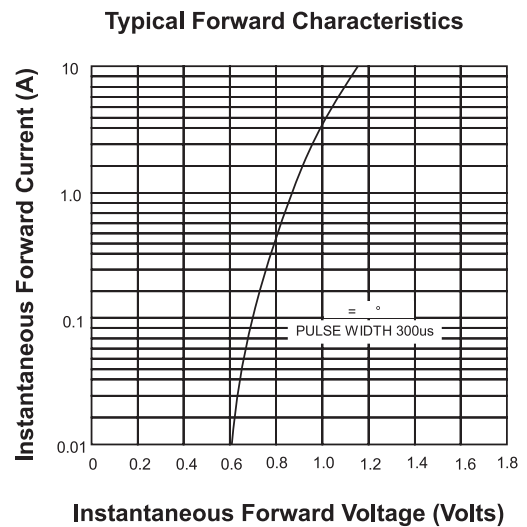
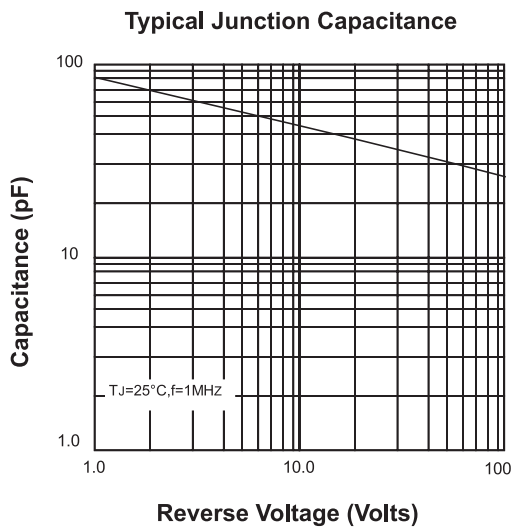
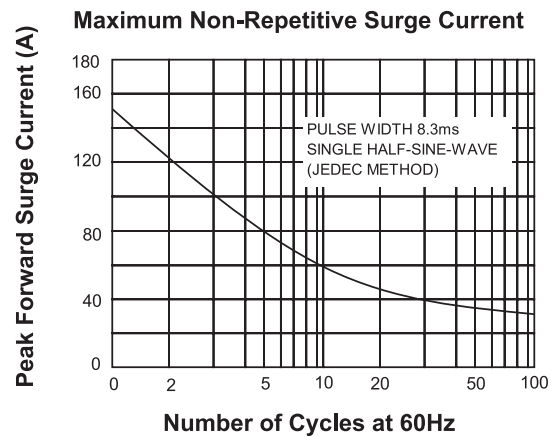
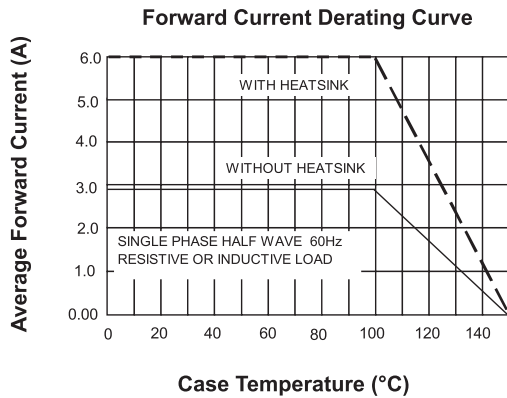
Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

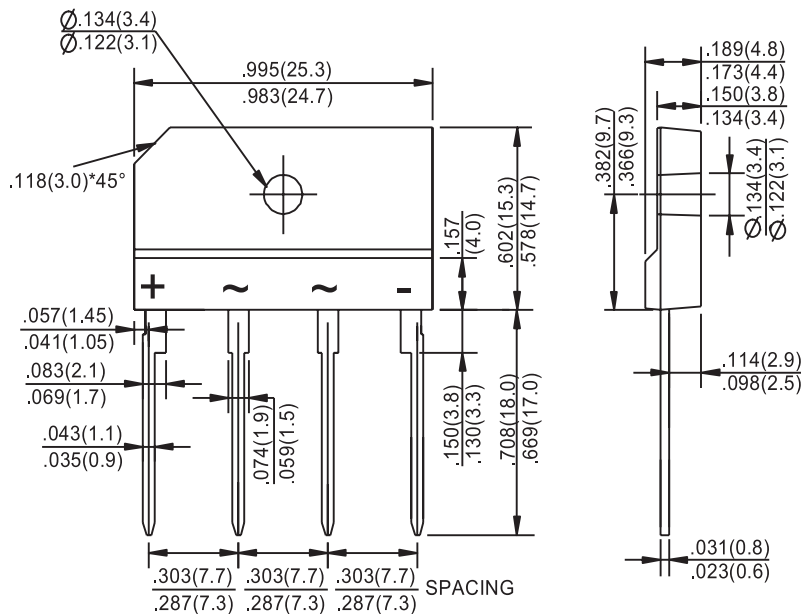
Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	100	V
Max. RMS Voltage	V_{RMS}	70	
Max. DC Blocking Voltage	V_{DC}	100	
Max. Average Forward (with heatsink Note 2) Rectified Current at $T_c = 100^\circ\text{C}$ (without heatsink)	$I_{(AV)}$	6 2.8	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	150	
Max. Forward Voltage at 4 A DC	V_F	1.1	V
Max. DC Reverse Current at $T_J = 25^\circ\text{C}$ at Rated DC Blocking Voltage at $T_J = 125^\circ\text{C}$	I_R	10 500	μA
I^2t Rating For Fusing ($t < 8.3\text{ms}$)	I^2t	120	A^2s
Typical Junction Capacitance per Element (Note 1)	C_J	55	pF
Typical Thermal Resistance (Note 2)	$R_{\theta JC}$	1.8	$^\circ\text{C} / \text{W}$
Operating Temperature Range	T_J	-55 to +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}		

Note: 1. Measured at 1MHz and applied reverse voltage of 4 V DC
2. Device mounted on 75mm × 75mm × 1.6mm Cu plate heatsink

Rating and Characteristic Curves



Diagram



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Bridge Rectifier, 100V, 6A	VSIB610

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