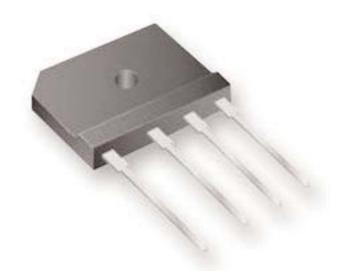
Bridge Rectifier



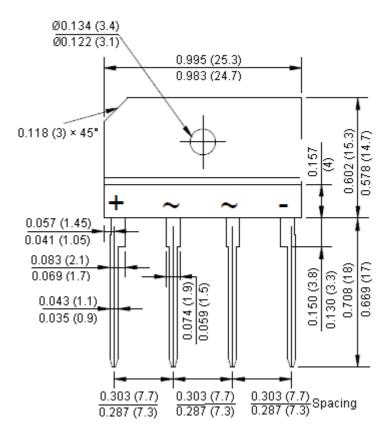


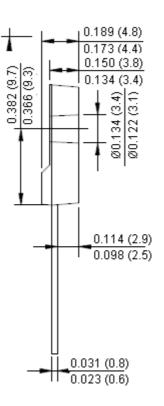
Features:

- · Glass Passivated.
- Surge overload rating -150 amperes peak.
- Ideal for printed circuit board.
- Reliable low cost construction utilizing moulded plastic technique.
- Mounting position : Any.

Reverse Voltage - 50 V Forward Current - 4 Amperes

VSIB





Dimensions: Inches (Millimetres)





Bridge Rectifier



Maximum Ratings and Electrical Characteristics

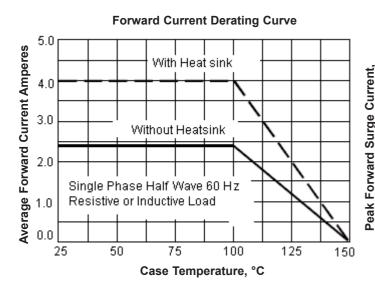
Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

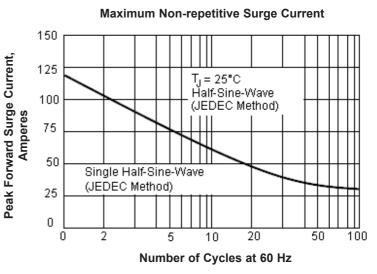
Characteristics	Symbol	VSIB405	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	V
Maximum RMS Voltage	V _{RMS}	35	
Maximum DC Blocking Voltage	V _{DC}	50	
Maximum Average Forward (with heatsink Note 2) Rectified Current at T _C = 100°C (without heatsink)	I (AV)	4 2.4	A
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	120	
Maximum Forward Voltage at 4 A dc	V _F	1.1	V
Maximum DC Reverse Current at $T_J = 25^{\circ}C$ at Rated DC Blocking Voltage at $T_J = 125^{\circ}C$	I _R	10 500	μА
I ² t Rating for Fusing (t < 8.3 ms)	l ² t	93	A ² s
Typical Junction Capacitance Per Element (Note 1)	CJ	45	pF
Typical Thermal Resistance	$R_{ heta JC}$	2.2	°C/W
Operating Temperature Range	T _J	-55 to +150	°C
Storage Temperature Range	T _{STG}		

Notes : 1. Measured at 1 MHz and applied reverse voltage of 4 V dc.

2. Device mounted on $50 \times 50 \times 1.6$ mm Cu plate heatsink.

Rating and Characteristic Curves





www.element14.com www.farnell.com www.newark.com

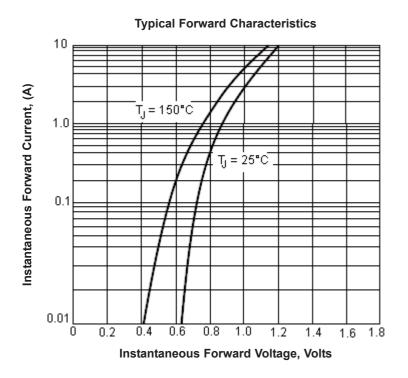


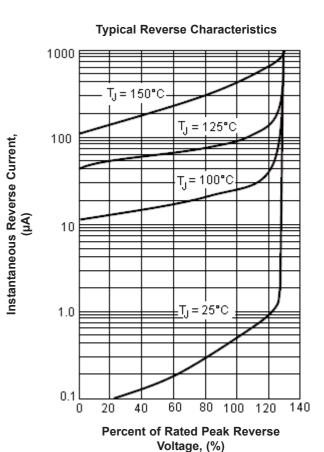
11/07/11 V1.1

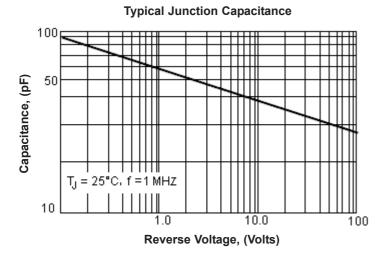
Bridge Rectifier



Rating and Characteristic Curves







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