

Bridge Rectifier



Features:

- Glass Passivated.
- Surge overload rating : 60 amperes peak.
- Ideal for printed circuit board.
- Mounting position : Any.
- Reverse Voltage : 50V
- Forward Current : 2 Amperes

Max. Ratings and Electrical Characteristics:

Rating at 25°C ambient temperature unless otherwise specified.

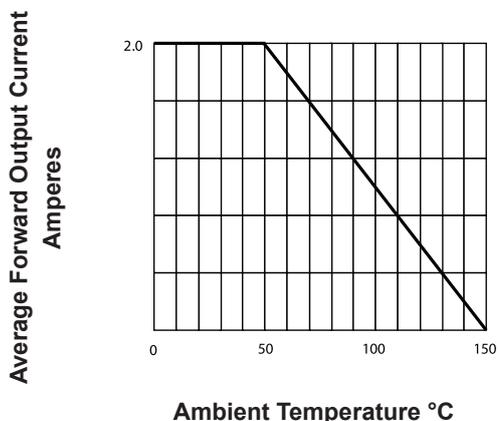
Resistive or inductive load, 60 Hz.

For capacitive load, derate current by 20%.

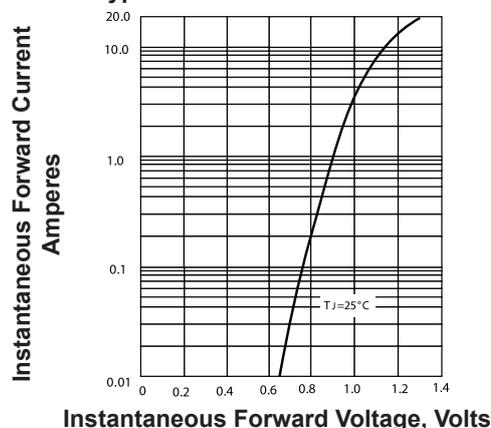
Characteristics	Symbol	KBP2005G	Units
Max. Recurrent Peak Reverse Voltage	V_{RRM}	50	V
Max. RMS Bridge Input Voltage	V_{RMS}	35	
Max. DC Blocking Voltage	V_{DC}	50	
Max. Average Forward Rectified Output Current at $T_A = 50^\circ\text{C}$	$I_{(AV)}$	2	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load	I_{FSM}	60	
Max. Forward Voltage Drop Per Bridge Element at 2 A Peak	V_F	1.1	V
Max. Reverse Current at Rated DC Blocking Voltage Per Element	I_R	10	μA
Max. Reverse Current at Rated DC Blocking Voltage Per Element at $T_J = 100^\circ\text{C}$		1	mA
Operating Temperature Range	T_J	-55 to +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}		

Rating and Characteristic Curves:

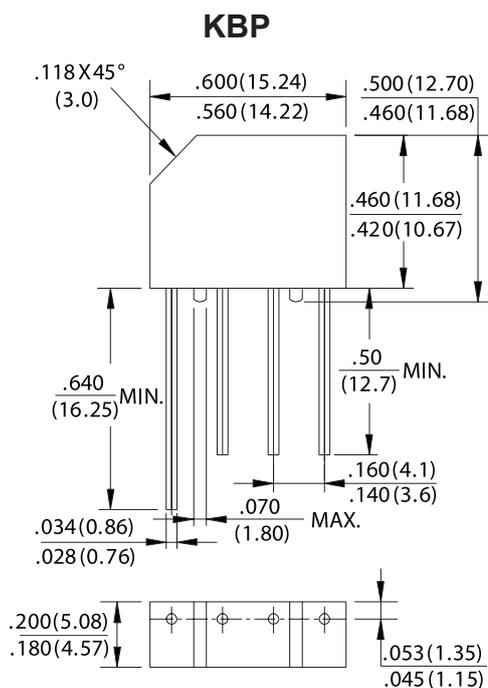
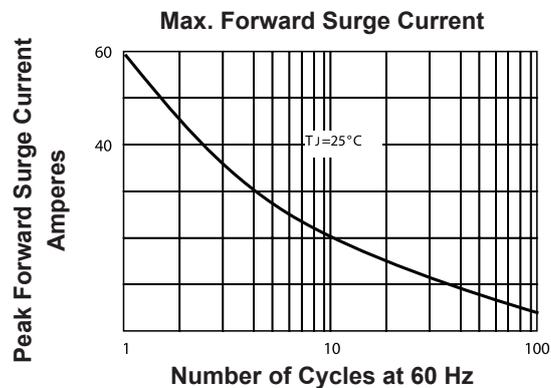
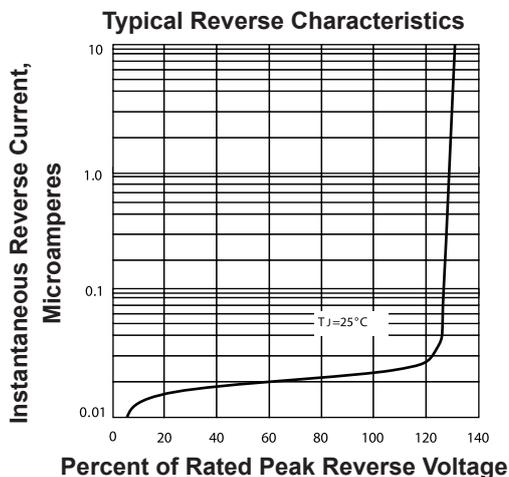
Derating Curve Output Rectified Current



Typical Forward Characteristics



Bridge Rectifier



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Bridge Rectifier	KBP2005G

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