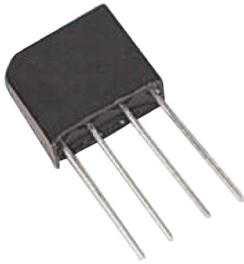


**RoHS  
Compliant**



## Features

- Glass passivated
- Surge overload rating -60 amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position : Any.
- Reverse Voltage: 50 Volts to 1000 Volts
- Forward Current: 2 Amperes

## Maximum Ratings and Electrical Characteristics

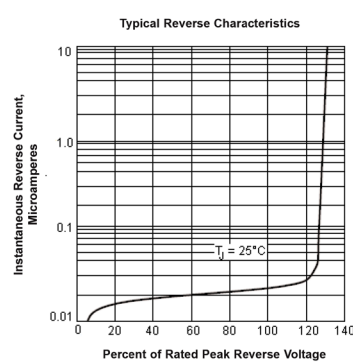
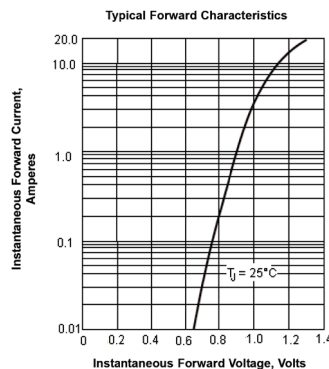
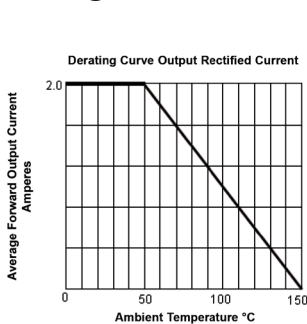
Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load, 60Hz.

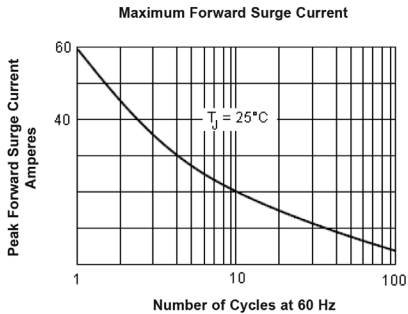
For capacitive load, derate current by 20%.

Characteristics	Symbol	KBP 2005G	KBP 201G	KBP 202G	KBP 204G	KBP 206G	KBP 208G	KBP 210G	Unit
Max. Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Max. RMS Bridge Input Voltage	$V_{RMS}$	35	70	140	280	420	560	700	
Max. DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	
Max. Average Forward Rectified Current at $T_A = 50^\circ C$	$I_{(AV)}$	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 2A Peak	$V_F$	1.1							V
Max. Reverse Current at Rated DC Blocking Voltage Per Element	$I_R$	10							$\mu A$
Max. Reverse Current at Rated DC Blocking Voltage Per Element at $T_J = 100^\circ C$		1							mA
Operating Temperature Range	$T_J$	-55 to +150							$^\circ C$
Storage Temperature Range	$T_{STG}$								

## Rating and Characteristic Curves

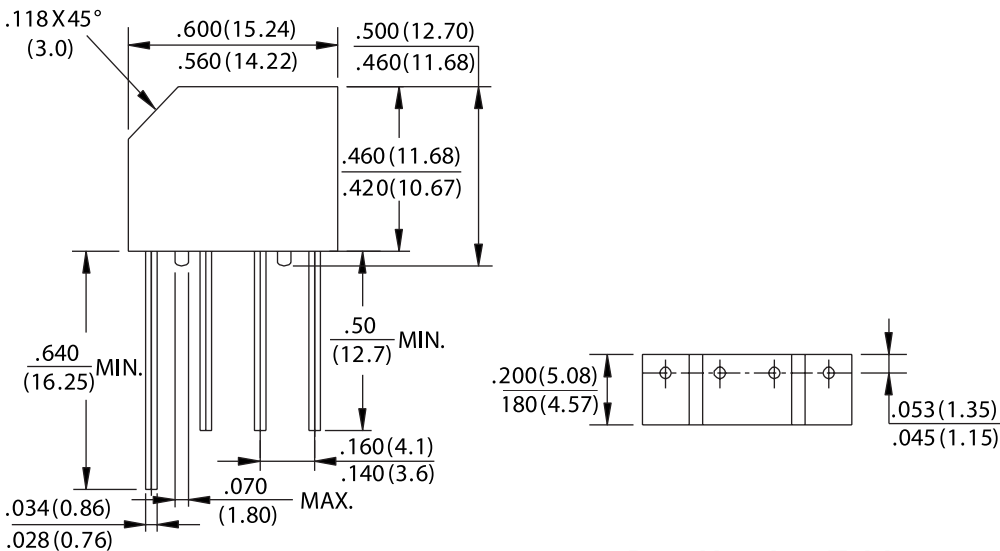


Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
Element14.com/multicomp-pro



## Diagram

### KBP



## Part Number Table

Description	Part Number
Bridge Rectifier Diode, Single Phase, 50V, 2A	KBP2005G
Bridge Rectifier Diode, Single Phase, 100V, 2A	KBP201G
Bridge Rectifier Diode, Single Phase, 200V, 2A	KBP202G
Bridge Rectifier Diode, Single Phase, 400V, 2A	KBP204G
Bridge Rectifier Diode, Single Phase, 600V, 2A	KBP206G
Bridge Rectifier Diode, Single Phase, 800V, 2A	KBP208G
Bridge Rectifier Diode, Single Phase, 1kV, 2A	KBP210G

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