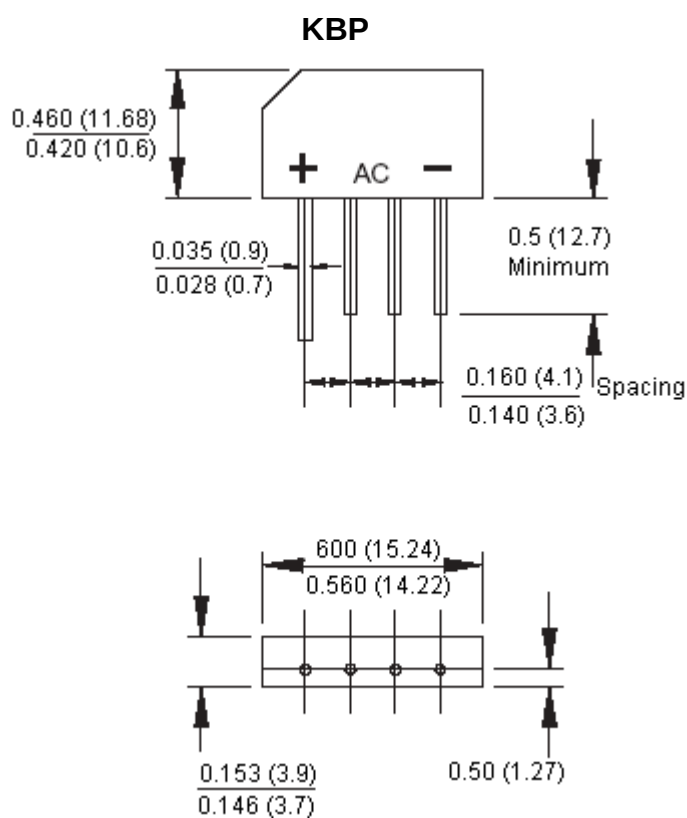




Features:

- Glass passivated junction.
- Ideal for printed circuit board.
- Reliable low cost construction results in inexpensive product.
- High temperature soldering guaranteed: 260°C/10 seconds at 5lbs., (2.3kg) tension.
- Small size, simple installation.
- Leads solderable per MIL-STD-202, Method 208.



Dimensions : Inches (Millimetres)

Maximum Ratings at Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

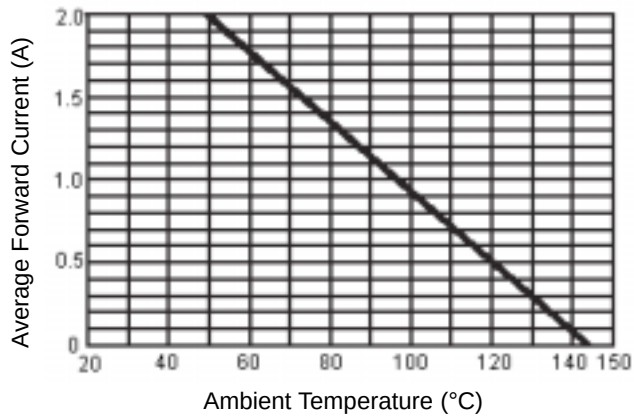
For capacitive load, derate current by 20%.

Type Number	Symbol	KBP203G	KBP205G	KBP207G	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	600	1000	V
Maximum RMS Voltage	V _{RMS}	140	420	700	
Maximum DC Blocking Voltage	V _{DC}	200	600	1000	
Maximum Average Forward Rectified Current at T _A = 50°C	I _(AV)	2.0			A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	60			
Rating for Fusing (t<8.35ms)	I ² t	15			A ² sec
Maximum Instantaneous Forward Voltage at 3.14A	V _F	1.2			V
Maximum DC Reverse Current at T _A = 25°C at Rated DC Blocking Voltage at T _A = 125°C	I _R	10 500			μA μA
Typical Thermal Resistance (Note)	R _{θJA} R _{θJL}	25 8			°C/W
Operating Temperature Range	T _J	-55 to +150			°C
Storage Temperature Range	T _{STG}	-55 to +150			

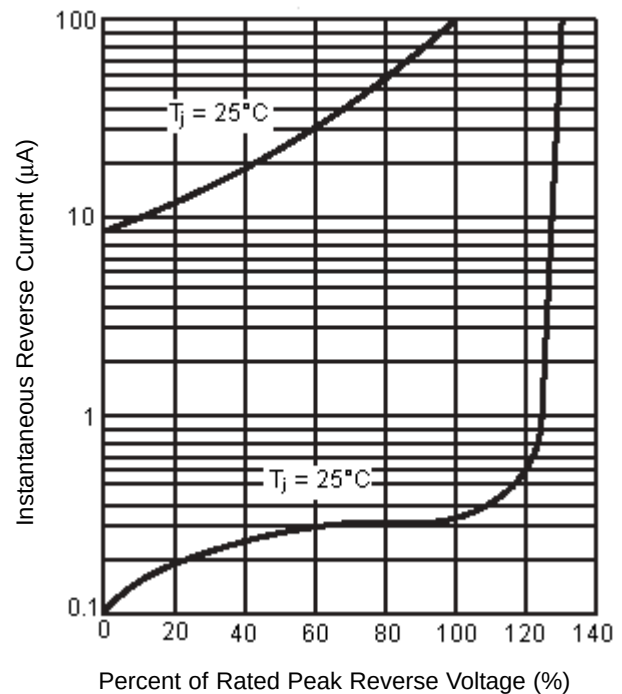
Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on PCB With 0.4 x 0.4 inches (10 x 10mm) Copper Pads.

Ratings and Characteristic Curves (KBP203G thru KBP207G)

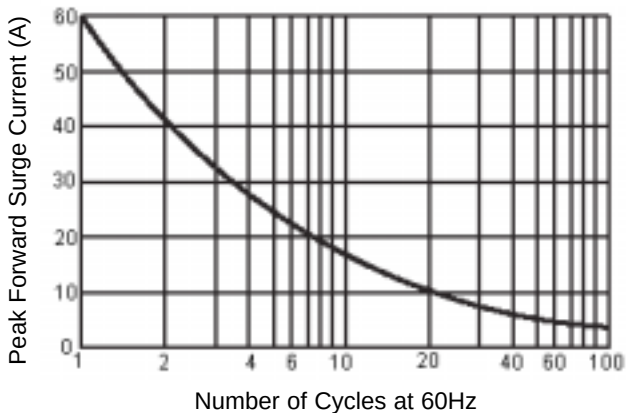
Maximum Forward Current Derating Curve



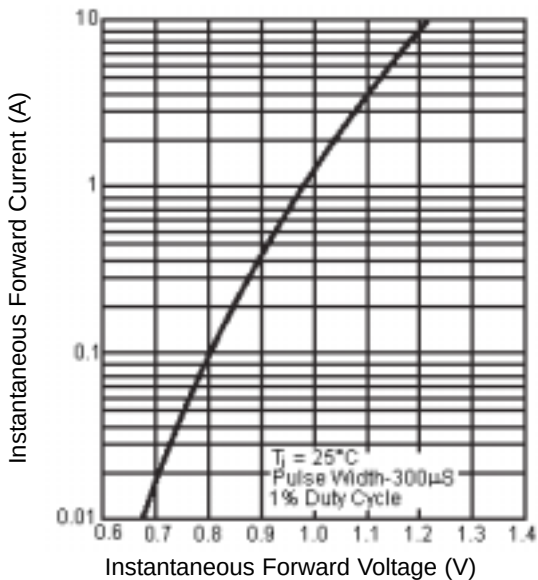
Typical Reverse Characteristics Per Bridge Element



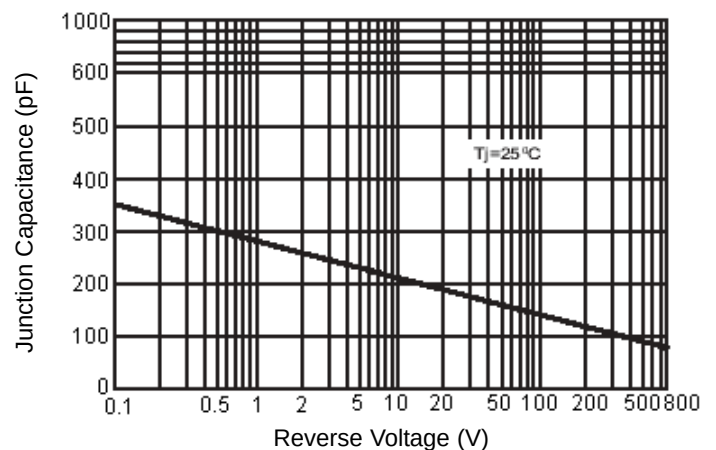
Maximum Non-Repetitive Forward Surge Current Per Bridge Element



Typical Forward Characteristics Per Bridge Element



Typical Junction Capacitance



Part Number Table

Description	Part Number
Bridge Rectifier, 2A, 200V	KBP203G
Bridge Rectifier, 2A, 600V	KBP205G
Bridge Rectifier, 2A, 1000V	KBP207G

Notes:

International Sales Offices:

	AUSTRALIA - Farnell Tel No: ++61 1300 361 005 Fax No: ++61 1300 361 225		FINLAND - Farnell Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411		ITALY - Farnell Tel No: ++ 39 02 93 995 200 Fax No: ++ 39 02 93 995 300		SPAIN - Farnell Tel No: 901 20 20 80 Fax No: 901 20 20 90
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