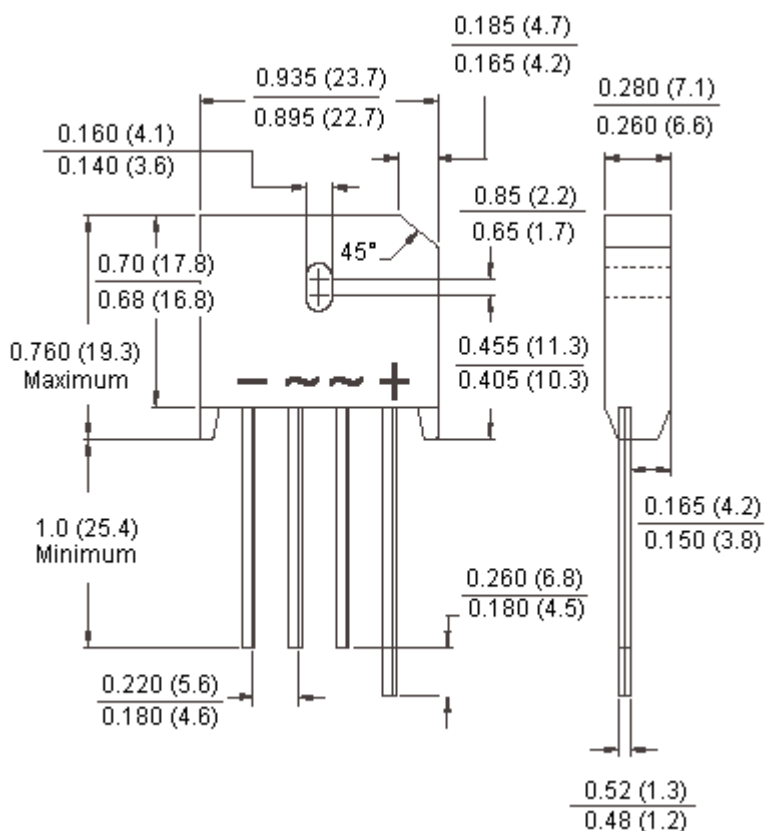




Features:

- Glass passivated junction.
- Ideal for printed circuit board.
- Reliable low cost construction.
- Plastic material.
- Surge overload rating to 200 amperes peak.
- High temperature soldering guaranteed: 260°C/10 seconds/0.375 inch, (9.5mm) lead lengths.
- Weight: 0.3 ounce, 8.0 grams.
- Mounting torque: 5in. lb. Maximum.

KBU



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%.

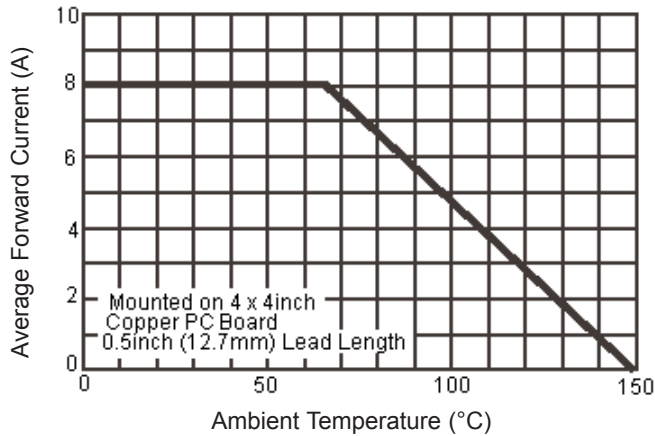
Type Number	Symbol	KBU 803G	KBU 805G	KBU 807G	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	600	1000	V
Maximum RMS Voltage	V _{RMS}	140	420	700	
Maximum DC Blocking Voltage	V _{DC}	200	600	1000	
Maximum Average Forward Rectified Current at T _A = 65°C	I _(AV)	8.0			A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	200			
Maximum Instantaneous Forward Voltage at 4.0A at 8.0A	V _F	1.0 1.1			V
Maximum DC Reverse Current at T _A = 25°C at Rated DC Blocking Voltage at T _A = 125°C	I _R	5.0 500			μA μA
Typical Thermal Resistance (Note 1) (Note 2)	R _{θJA} R _{θJC}	18.0 3.0			°C/W
Operating Temperature Range	T _J	-55 to +150			°C
Storage Temperature Range	T _{STG}				

Notes: 1: Units Mounted In Free Air No Heat Sink On PCB 0.5 x 0.5 inches (12mm x 12mm) Copper Pads, 0.375 inch (9.5mm) Lead Length.

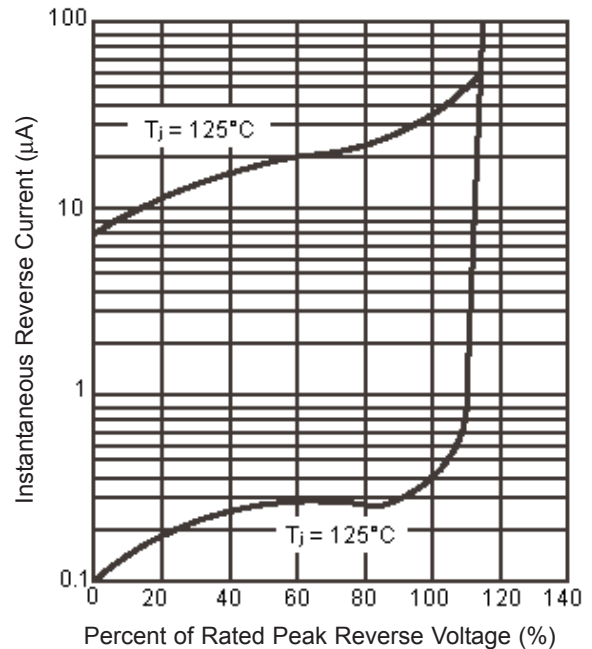
2: Units Case Mounted On 4 x 6 x 0.25 inches Al Plate Heat Sink.

Ratings and Characteristic Curves (KBU803G, 805G, 807G)

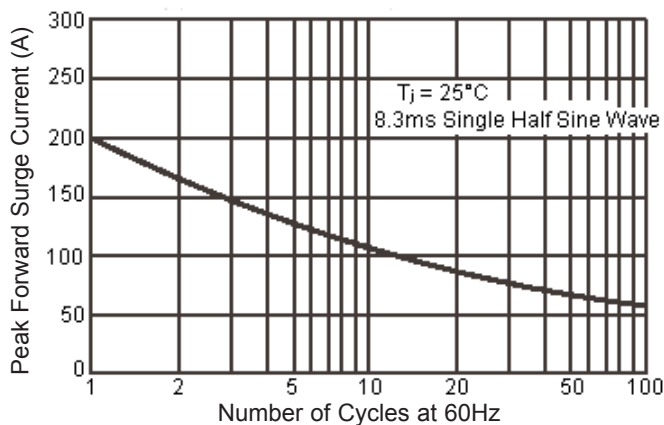
Maximum Forward Current Derating Curve



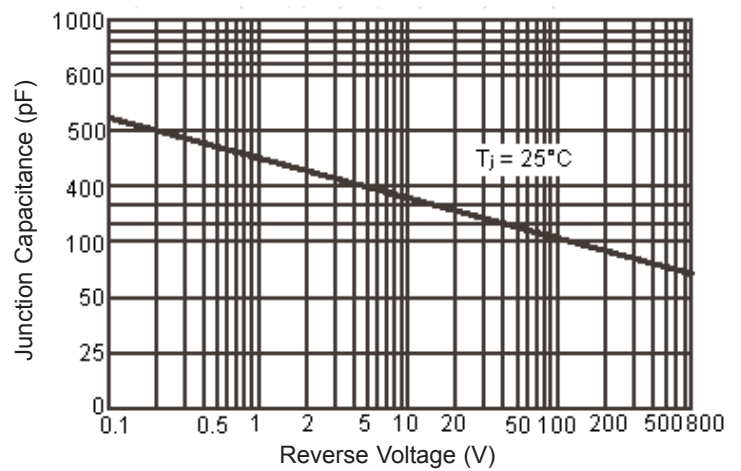
Typical Reverse Characteristics Per Bridge Element



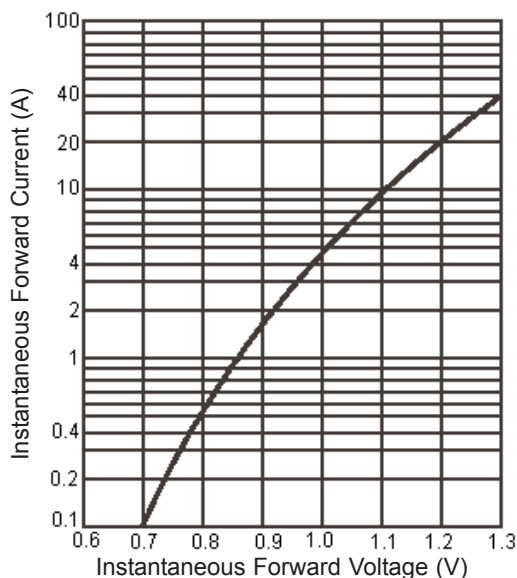
Maximum Non-Repetitive Forward Surge Current Per Bridge Element



Typical Junction Capacitance



Typical Forward Characteristics Per Bridge Element



Part Number Table

Description	Part Number
Bridge Rectifier, 8A, 200V	KBU803G
Bridge Rectifier, 8A, 600V	KBU805G
Bridge Rectifier, 8A, 1000V	KBU807G

KBU8xG- Series



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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