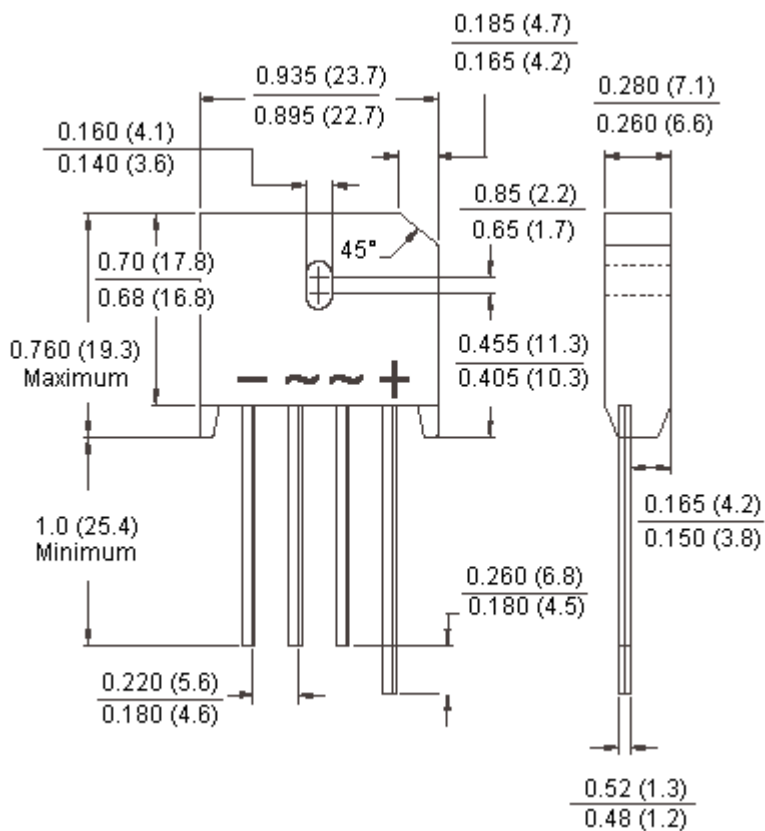




Features:

- Glass passivated junction.
- Ideal for printed circuit board.
- Reliable low cost construction.
- Plastic material.
- Surge overload rating to 150 amperes peak.
- High temperature soldering guaranteed: 260°C/10 seconds/0.375 inch, (9.5mm) lead lengths at 5lbs., (2.3kg) tension.
- Weight: 0.3 ounce, 8.0 grams.
- Mounting torque: 5in. lbs. 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%.

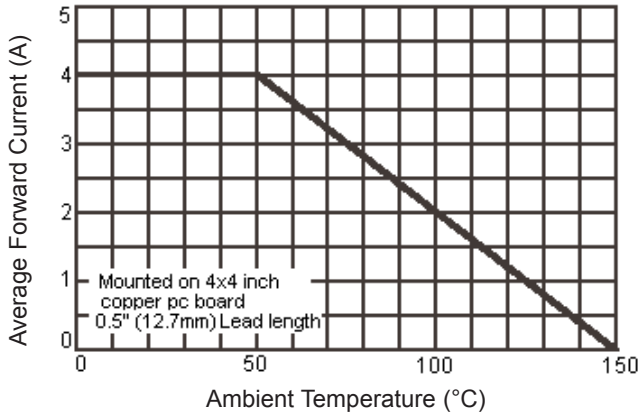
Type Number	Symbol	KBU403G	KBU405G	KBU407G	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	600	1000	V
Maximum RMS Voltage	V_{RMS}	140	420	700	
Maximum DC Blocking Voltage	V_{DC}	200	600	1000	
Maximum Average Forward Rectified Current at $T_A = 50^\circ\text{C}$	$I_{(AV)}$	4.0			A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	150			
Maximum Instantaneous Forward Voltage at 2.0A at 4.0A	V_F	1.0 1.1			V
Maximum DC Reverse Current at $T_A = 25^\circ\text{C}$ at Rated DC Blocking Voltage at $T_A = 125^\circ\text{C}$	I_R	5.0 500			μA μA
Typical Thermal Resistance (Note 1) (Note 2)	$R_{\theta JA}$ $R_{\theta JL}$	19 4.0			$^\circ\text{C}/\text{W}$
Operating Temperature Range	T_J	-55 to +150			$^\circ\text{C}$
Storage Temperature Range	T_{STG}				

Notes: 1) Units Mounted on PCB with 0.5 x 0.5 inches (12mm x 12mm) Copper Pads and 0.375 inch (9.5mm) Lead Length.

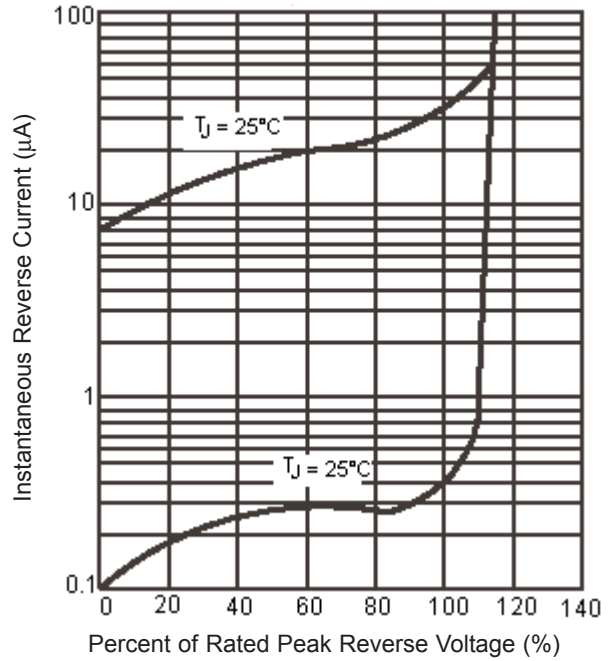
2) Units Mounted on a 2.0 x 3.0 x 0.25 inches Al Plate.

Ratings and Characteristic Curves (KBU403G thru KBU407G)

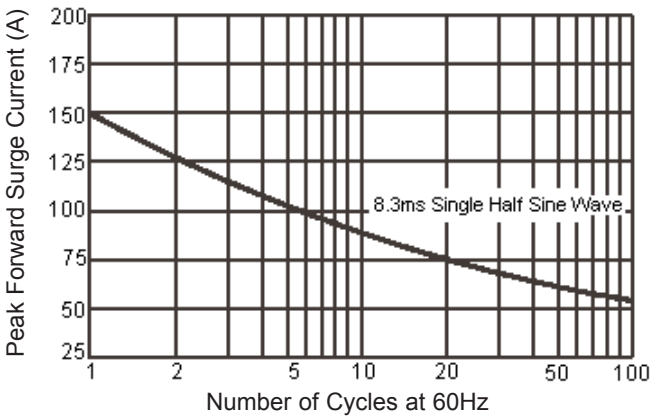
Maximum Forward Current Derating Curve



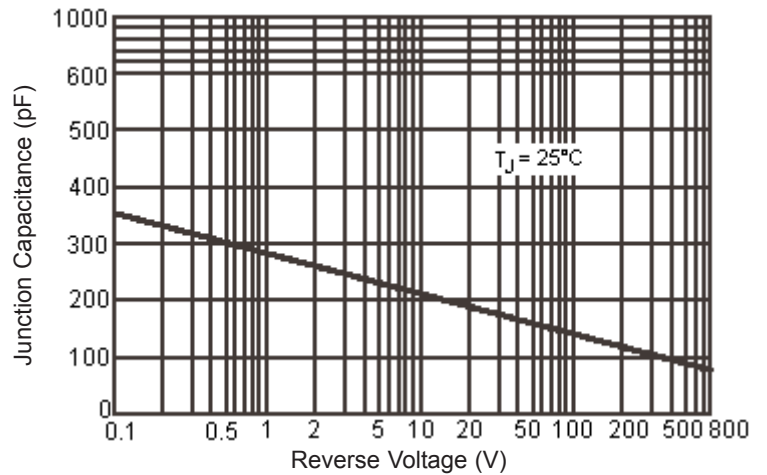
Typical Reverse Characteristics Per Bridge Element



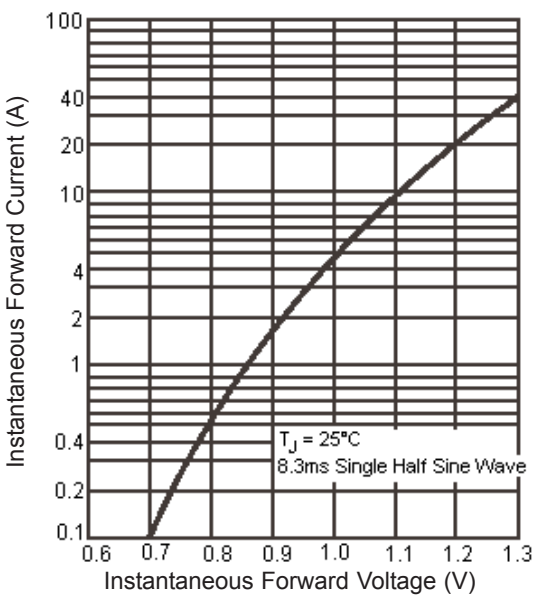
Maximum Non-Repetitive Forward Surge Current Per Bridge Element



Typical Junction Capacitance



Typical Forward Characteristics Per Bridge Element



Part Number Table

Description	Part Number
Bridge Rectifier, 4A, 200V	KBU403G
Bridge Rectifier, 4A, 600V	KBU405G
Bridge Rectifier, 4A, 1000V	KBU407G

Notes:

International Sales Offices:

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