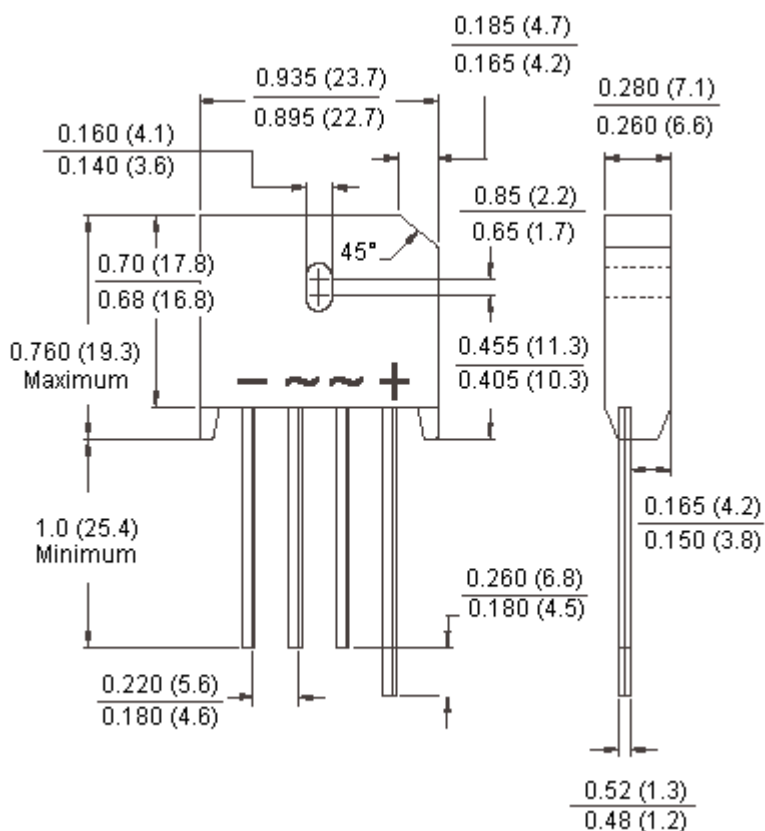




Features:

- 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 at 5lbs (2.3kg) tension.
- Weight: 0.3 ounce, 8.0 grams.
- Mounting torque: 5 in. lb. maximum.

KBU



Dimensions : Inches (Millimetres)

Maximum Ratings at Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

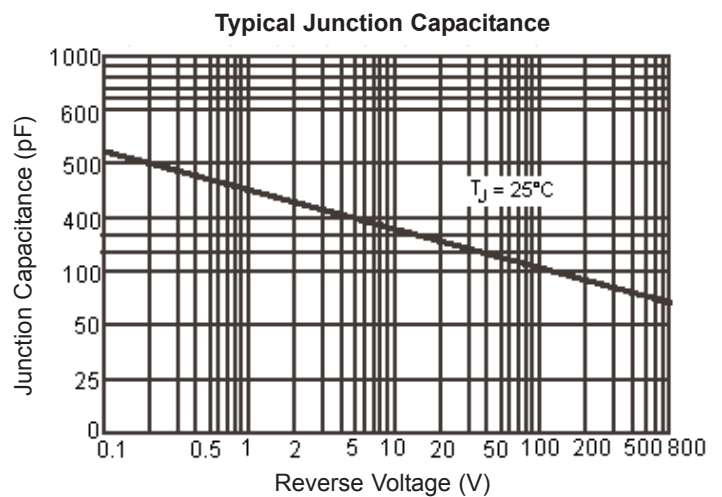
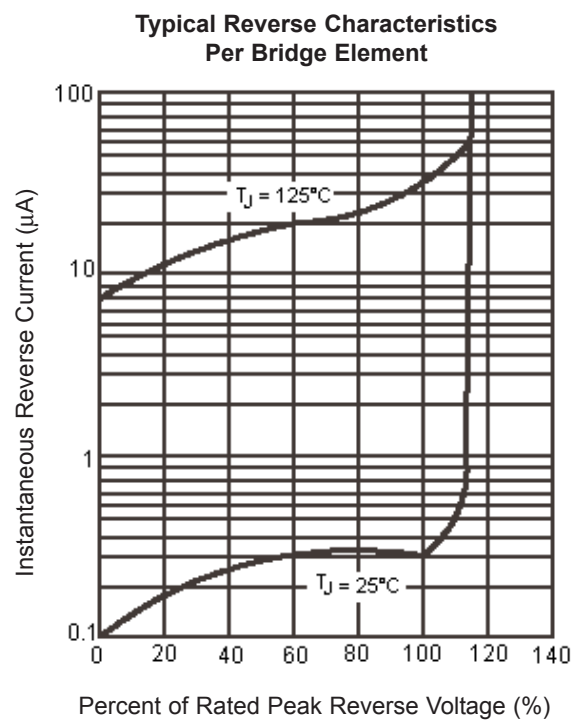
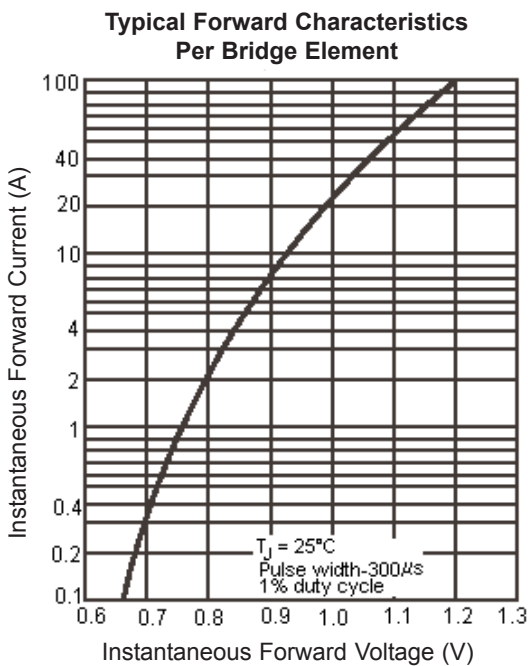
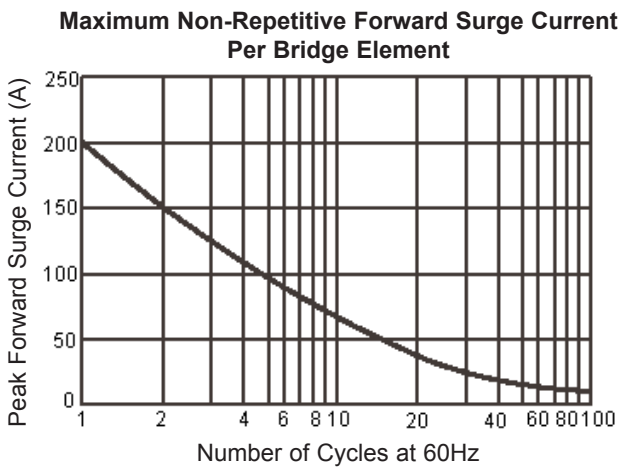
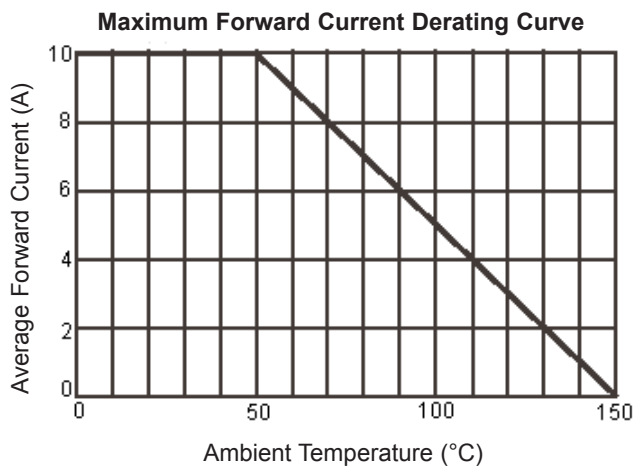
Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Type Number	Symbol	KBU1003G	KBU1005G	KBU1007G	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 = 45°C	I _(AV)	10.0			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 5.0A at 10.0A	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)	R _{θJC}	2.2			°C/W
Operating Temperature Range	T _J	-55 to +150			°C
Storage Temperature Range	T _{STG}				

Note: Thermal Resistance from Junction to Case with Device Mounted on 4 x 6 x 0.25 inches Heatsink.

Ratings and Characteristic Curves (KBU1003G thru KBU1007G)



Part Number Table

Description	Part Number
Bridge Rectifier, 10A, 200V	KBU1003G
Bridge Rectifier, 10A, 600V	KBU1005G
Bridge Rectifier, 10A, 1000V	KBU1007G

Notes:

International Sales Offices:

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