



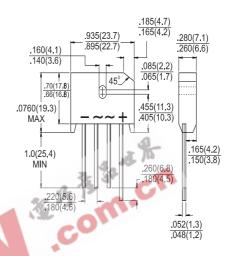


Features

- ♦ UL Recognized File # E-96005
- ♦ Glass passivated junction
- ♦ Ideal for printed circuit board
- ♦ Reliable low cost construction
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- ♦ Surge overload rating to 175 amperes peak
- High temperature soldering guaranteed: 260°C / 10 seconds / .375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- ♦ Weight: 0. 3 ounce, 8.0 grams
- ♦ Mounting torque: 5 in. lb. max.

KBU601G - KBU607G

Single Phase 6.0 AMPS. Glass Passivated Bridge Rectifiers **KBU**



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

Type Number	Symbol	KBU 601G	KBU 602G	KBU 603G	KBU 604G	KBU 605G	KBU 606G	KBU 607G	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A = 65 °C	I _(AV)	6.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	175							А
Maximum Instantaneous Forward Voltage @ 3.0A @ 6.0A	V _F	1.0 1.1							V
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C	I _R	5.0 500							uA uA
Typical Thermal resistance (Note 1) (Note 2)	$R_{ heta JA} \ R_{ heta JC}$	8.6 3.1							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to + 150							°C

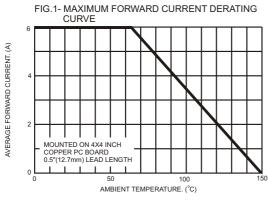
Notes:

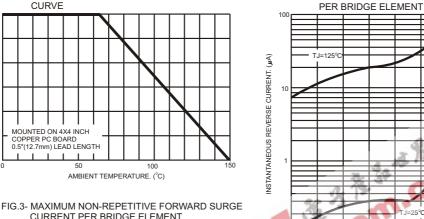
- 1. Thermal resistance from Junction to Ambient with units in Free Air, P.C.B. Mounted on 0.5" x 0.5" (12mm x 12mm) Copper Pads, 0.375" (9.5mm) Lead Length.
- 2. Thermal Resistance from Junction to Case with units Mounted on 2" x 3" x 0.25" Al-Plate.

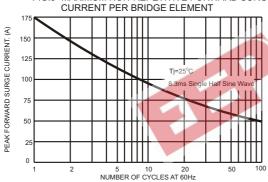


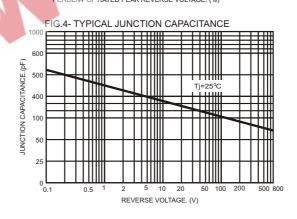
120

RATINGS AND CHARACTERISTIC CURVES (KBU601G THRU KBU607G)









60 80 100

FIG.2- TYPICAL REVERSE CHARACTERISTICS

