





Features

- UL Recoganized File # E-326243
- Glass passivated junction
- Ideal for printed circuit board
- High case dielectric strength
- Plastic material has Underwriters laboratory flammability Classification 94V-0
- Typical IR less than 0.1uA
- High surge current capability
- High temperature soldering guaranteed: 260° C / 10 seconds at 5 lbs., (2.3 kg) tension
- Green compound with suffix "G" on packing code & prefix "G" on datecode.

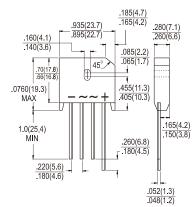
Mechanical Data

- Case: Molded plastic body
- Terminal: Pure tin plated, Lead free. Leads solderable per MIL-STD-202 Method 208
- Weight: 8.0 grams
- Mounting Torque: 5 in lbs max.

KBU401G - KBU407G

Single Phase 4.0 AMPS. Glass Passivated Bridge Rectifiers

<u>KBU</u>



Dimensions in inches and (millimeters) Marking Diagram



KBU40XG = Specific Device Code = Green Compound G

= Year ww = Work Week

Maximum Ratings and Electrical Characteristics

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

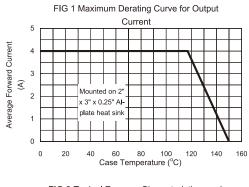
Type Number	Symbol	KBU 401G	KBU 402G	KBU 403G		KBU 405G		KBU 407G	Units		
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V		
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V		
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V		
Maximum Average Forward Rectified Current								А			
@ T _A = 65°C	I _{F(AV)}	4.0									
Peak Forward Surge Current, 8.3 ms Single Half Sine-		150							Α		
wave Superimposed on Rated Load (JEDEC method)	FSM							Α			
Rating of fusing (t < 8.3mS)	I ² t	93.0						A^2S			
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	1.0							V		
@ 4.0A	VF				1.1				V		
Maximum DC Reverse Current @ T _A =25°C											
at Rated DC Blocking Voltage (Note 1) @ T _A =125°C	I _R	500							uA		
Typical Junction Capacitance per leg (Note 3)	Cj	240						pF			
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	19							9C/M/		
	$R_{\theta JC}$				4.0				°C/W		
Operating Temperature Range	TJ	-55 to +150					°c				
Storage Temperature Range	T _{STG}	-55 to +150						°C			

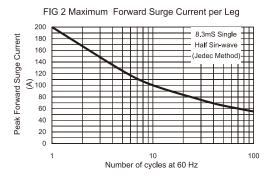
Note: 1. Pulse Test with PW=300 usec,1% Duty Cycle
2. Unit case mounted on 2" x 3" x 0.25" Al plate heat sink.
3. Measured at 1MHz and applied Reverse bias of 4.0V DC.

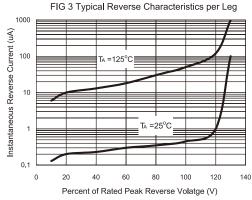
Version: E10

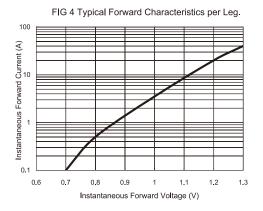


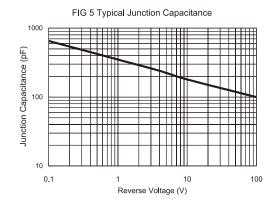
RATINGS AND CHARACTERISTIC CURVES (KBU401G THRU KBU407G)











Version: E10