



ROHS



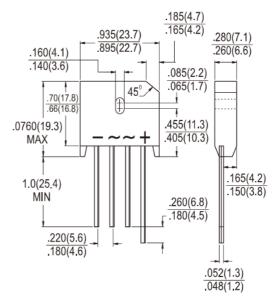
Features

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

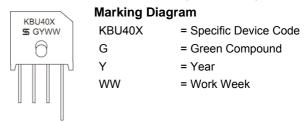
Mechanical Data

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

KBU401 - KBU407Single Phase 4.0AMPS. Bridge Rectifiers **KBU**



Dimensions in inches and (millimeters)



Maximum Ratings and Electrical Characteristics

Rating at 25 $^{\circ}$ 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 401	KBU 402	KBU 403	KBU 404	KBU 405	KBU 406	KBU 407	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 $@T_A=65^{\circ}C$	I _{F(AV)}	4						Α	
Peak Forward Surge Current, 8.3 ms Single Half Sinewave Superimposed on Rated Load (JEDEC method)	I _{FSM}	200							Α
Rating of fusing (t<8.3mS)	l ² t	166							A^2S
Maximum Instantaneous Forward Voltage (Note 1) @ 2 A @ 4 A	V _F	1.0 1.1						V	
Maximum DC Reverse Current @ T_A =25 $^{\circ}$ C at Rated DC Block Voltage @ T_A =125 $^{\circ}$ C	I _R	5.0 500							uA
Typical Junction Capacitance per leg (Note 2)	Cj	240							pF
Typical Thermal Resistance (Note 3)	$R_{ heta JA} \ R_{ heta JC}$	19 4.0						°C/W	
Operating Temperature Range	T_J	- 55 to + 125						οС	
Storage Temperature Range	T_{STG}	- 55 to + 150						°С	

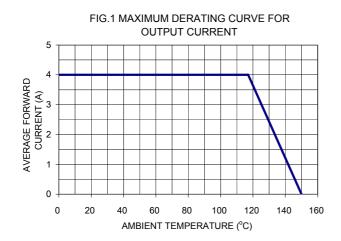
Note 1 : Pulse Test with PW=300u sec, 1% Duty Cycle

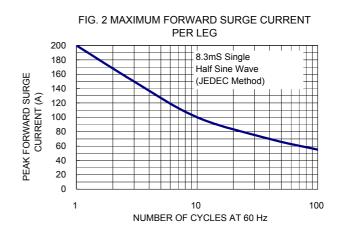
Note 2: Measured at 1MHz and applied Reverse Voltage of 4.0V D.C.

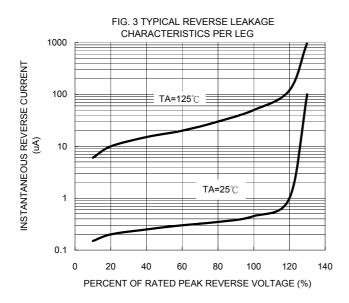
Note 3: Mounted on 2" x 3" x 0.25" Al plate heat sink.

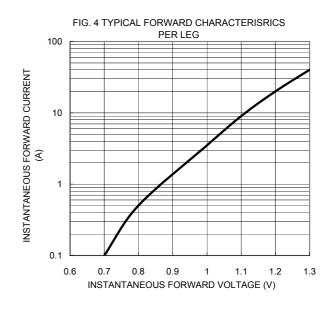


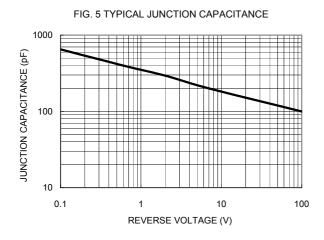
RATINGS AND CHARACTERISTIC CURVES (KBU401 THRU KBU407)











Version:E10