

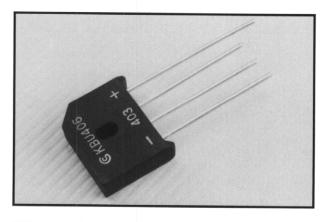
4 AMP SILICON BRIDGE RECTIFIER

FEATURES

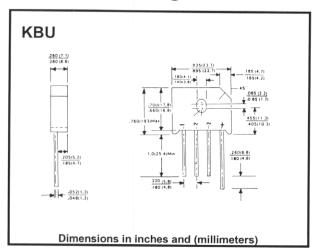
- Rating to 1000V PRV
- Ideal for printed circuit board
- Surge overload rating to 200 Amperes peak
- Reliable low cost construction utilizing molded plastic technique
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

Mechanical Data

- Case: Molded Plastic
- Mounting torque: 5 in. lb. max.
- Mounting position: Any
- Weight: 0.3 ounce, 8.0 grams



Outline Drawing



Maximum Ratings & Characteristics

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

		KBU4005	KBU401	KBU402	KBU404	KBU406	KBU408	KBU410	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward @ $T_C = 100$ °C	1								
Output Current @ T _A = 65°C	(AV)		4.0						Α
Peak Forward Surge Current									
8.3 ms Single Half-Sine-Wave	IFSM				200				Α
Superimposed On Rated Load									
Maximum DC Forward Voltage Drop per Element	1/-								
At 2.0A DC	VF		1						V
Maximum DC Reverse Current At Rated@ T _A = 25°C	1_				10				μА
DC Blocking Voltage per Element @ T _C = 100°C	l _R				1				mΑ
Maximum Thermal Resistance (Note)	Rтнус				3.3				°C/W
Operating Temperature Range	TJ			-	55 to +12	5			°C
Storage Temperature Range	Tstg				55 to +150				°C

Note: Thermal resistance junction to case per diode