



KBU4005 Thru KBU410

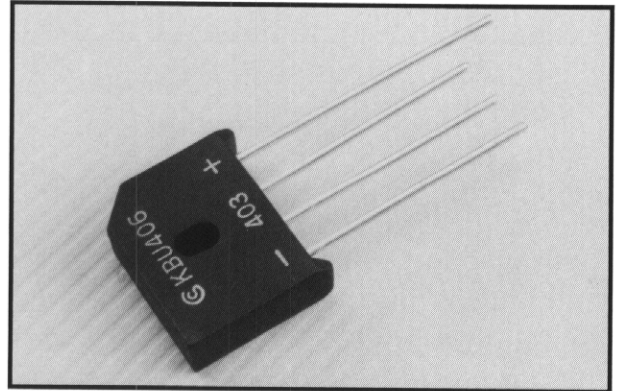
4 AMP SILICON BRIDGE RECTIFIER

FEATURES

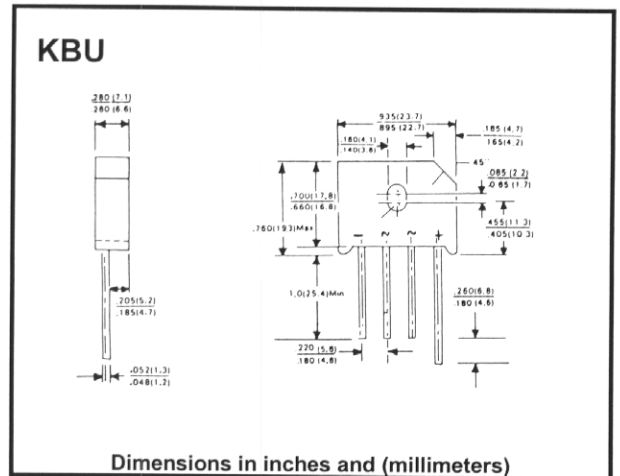
- Rating to 1000V PRV
- Ideal for printed circuit board
- Surge overload rating to 200 Amperes peak
- Reliable low cost construction utilizing molded plastic technique
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

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	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}	60	100	200	400	600	800	1000	V	
Maximum Average Forward Output Current	$I_{(AV)}$	@ $T_C = 100^\circ\text{C}$ @ $T_A = 65^\circ\text{C}$							4.0	A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I_{FSM}								200	A
Maximum DC Forward Voltage Drop per Element At 2.0A DC	V_F								1	V
Maximum DC Reverse Current At Rated DC Blocking Voltage per Element	I_R	@ $T_A = 25^\circ\text{C}$ @ $T_C = 100^\circ\text{C}$							10 1	μA mA
Maximum Thermal Resistance (Note)	$R_{\theta JJC}$								3.3	$^\circ\text{C/W}$
Operating Temperature Range	T_J								-55 to +125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}								-55 to +150	$^\circ\text{C}$

Note: Thermal resistance junction to case per diode