



# KBU4005 Thru KBU410

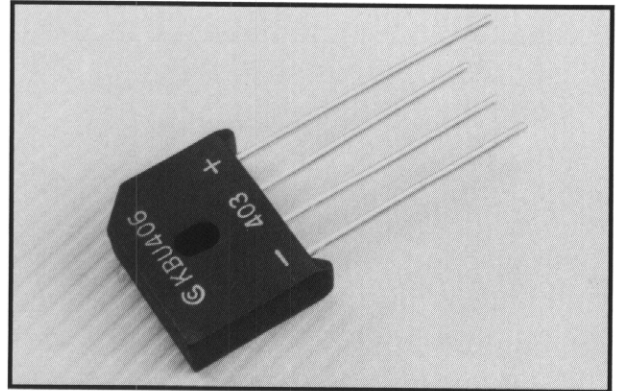
## 4 AMP SILICON BRIDGE RECTIFIER

### FEATURES

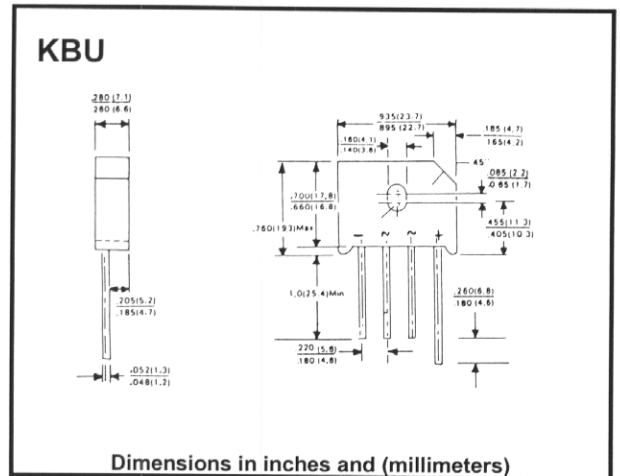
- Rating to 1000V PRV
- Ideal for printed circuit board
- Surge overload rating to 200 Amperes peak
- Reliable low cost construction utilizing molded plastic technique
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

### 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	$\mu\text{A}$ mA
Maximum Thermal Resistance (Note)	$R_{THJC}$								3.3	$^\circ\text{C}/\text{W}$
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