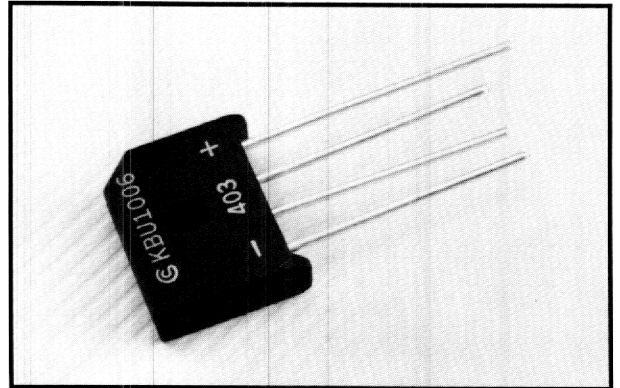




# KBU10005 Thru KBU1010

## 10 AMP SILICON BRIDGE RECTIFIER



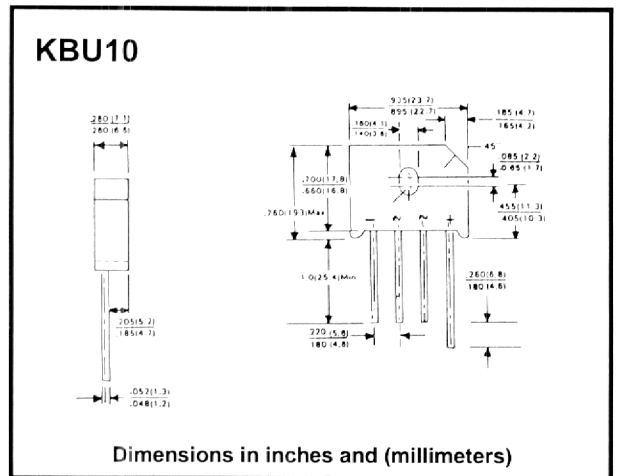
### FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Surge overload rating to 250 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%

		KBU 10005	KBU 1001	KBU 1002	KBU 1004	KBU 1006	KBU 1008	KBU 1010	Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current	I (AV) @ T <sub>C</sub> = 100°C @ T <sub>A</sub> = 45°C	10							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I <sub>FSM</sub>	300							A
Maximum DC Forward Voltage Drop per Element At 5.0A DC	V <sub>F</sub>	1							V
Maximum DC Reverse Current At Rated DC Blocking Voltage per Element	I <sub>R</sub> @ T <sub>C</sub> = 100°C	10 1							μA mA
Maximum Thermal Resistance (Note)	R <sub>THJC</sub>	4.7							°C/W
Operating Temperature Range	T <sub>J</sub>	-55 to +125							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

Note: Thermal resistance junction to case per diode