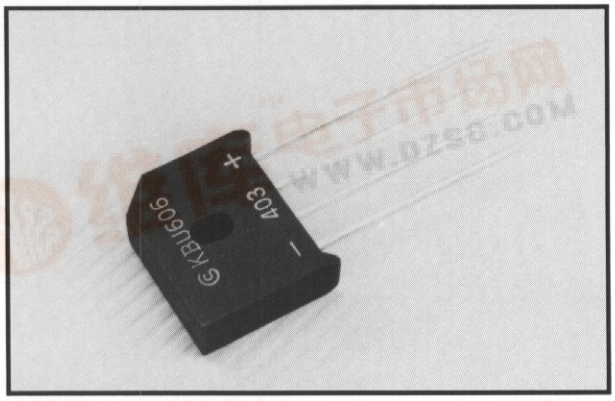
KBU6005 Thru KBU610

6 AMP SILICON BRIDGE RECTIFIER



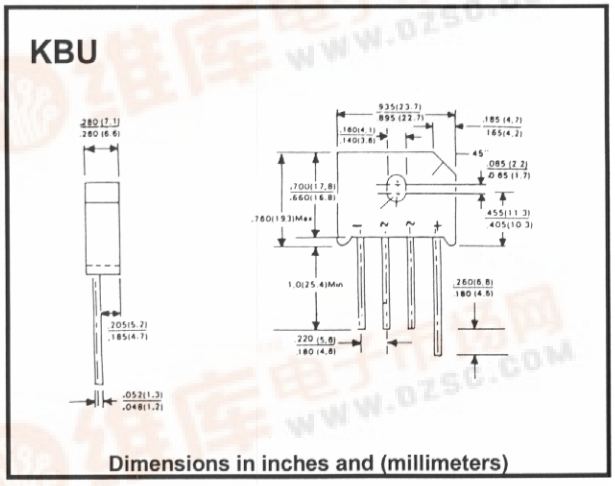
FEATURES

- 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%

		KBU6005	KBU601	KBU602	KBU604	KBU606	KBU608	KBU610	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 @ T_C = 100°C Output Current @ T_A = 65°C	$I_{(AV)}$	6.0							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I_{FSM}	250							A
Maximum DC Forward Voltage Drop per Element At 3.0A DC	V_F	1							V
Maximum DC Reverse Current At Rated@ T_A = 25°C DC Blocking Voltage per Element @ T_C = 100°C	I_R	10 1							µA mA
Maximum Thermal Resistance (Note)	R_{THJC}	4.7							°C/W
Operating Temperature Range	T_J	-55 to +125							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

Note: Thermal resistance junction to case per diode