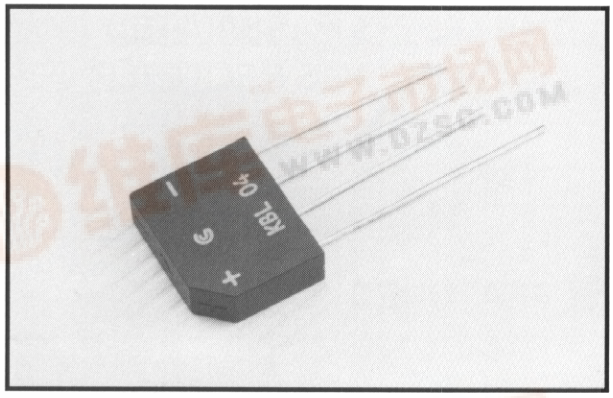
KBL005 Thru KBL10

4 AMP SILICON BRIDGE RECTIFIER



FEATURES

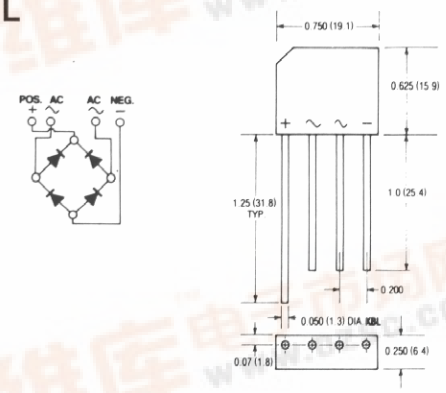
- Rating to 1000V PRV
- Surge overload rating to 200 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

Mechanical Data

- Case: Molded plastic
- Leads: Silver plated copper
- Leads solderable per MIL-STD-202, Method 208
- Weight: 0.2 ounce, 5.6 grams

Outline Drawing

KBL



Dimensions in inches and (millimeters)

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%

		KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL10	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_A = 50°C Output Current	$I_{(AV)}$	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 3.0A DC	V_F	1.1							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
I^2t Rating for Fusing (t < 8.3ms)	I^2t	166							A^2S
Operating Temperature Range	T_J	-55 to +125							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C