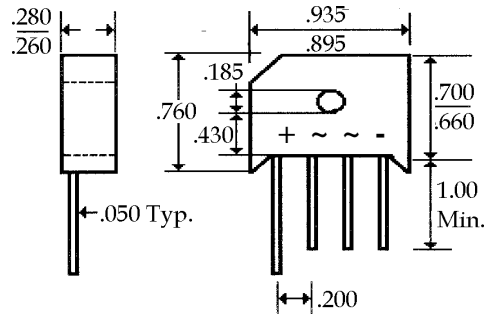


Description

**8.0 Amp
SINGLE PHASE SILICON BRIDGE**

Mechanical Dimensions

KBU800 . . . 810 Series



Mechanical Data: Weight - 0.3 Ounces. Mounting Torque - 5.1 lbs. Mounting Position - Any.

Features

- **COMPACT SIZE**
- **LOW LEAKAGE CURRENT**
- **300 AMP SURGE OVERLOAD RATING**
- **MEETS UL SPECIFICATION 94V-0**

KBU800 . . . 810 Series								Units
Maximum Ratings	KBU800	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... V_{DC}	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 25^\circ C$				8.0				Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} 8.3 ms Single 1/2 Sine Wave Imposed on Rated Load				300				Amps
Rating for Fusing ($T < 8.3ms$)				167				A ² s
Operating & Storage Temperature Range... T_J, T_{STRG}				-55 to 150				°C
Electrical Characteristics								
Maximum Forward Voltage... V_F Per Bridge Element @ 8.0 Amps				1.0				Volts
Maximum DC Reverse Current Per Bridge Element... I_R @ Rated DC Blocking Voltage $T_A = 25^\circ C$				10				μAmps
				1.0				mAmps
Typical Thermal Resistance... $R_{\theta JC}$ (Alum Heat Sink)				6.0				°C/W
Maximum Thermal Resistance... $R_{\theta JA}$ (Free Air)				8.0				°C/W
Typical Junction Capacitance... C_J	<	210	>	<	90	>		