

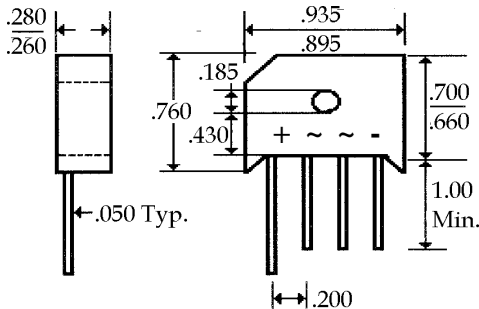


**Description**



**8.0 Amp  
SINGLE PHASE SILICON BRIDGE**

**Mechanical Dimensions**



(Dimensions in inches)

**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**

<b>KBU800 . . . 810 Series</b>								<b>Units</b>	
<b>Maximum Ratings</b>	<b>KBU800</b>	<b>KBU801</b>	<b>KBU802</b>	<b>KBU804</b>	<b>KBU806</b>	<b>KBU808</b>	<b>KBU810</b>		
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 <sup>2</sup> s	
Operating & Storage Temperature Range... $T_J, T_{STRG}$	.....			-55 to 150	.....			°C	
<b>Electrical Characteristics</b>									
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	>		pF