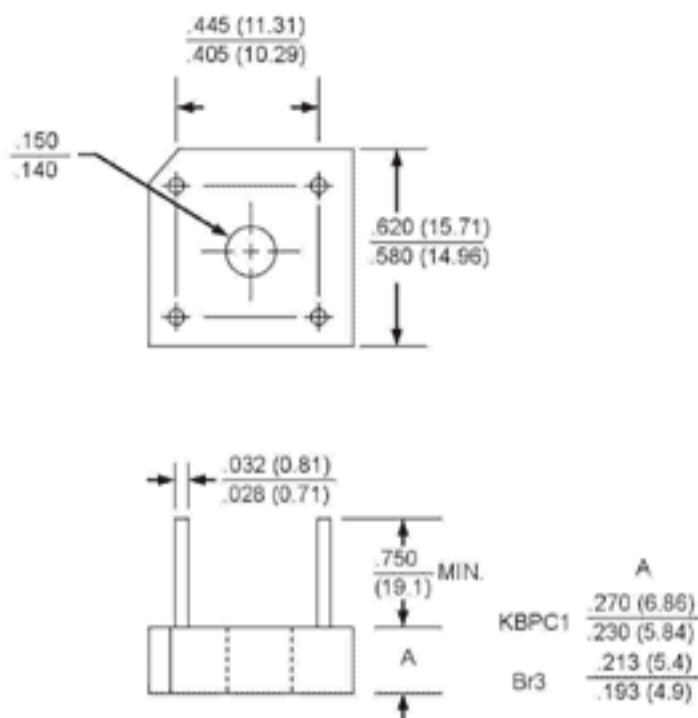


## SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts  
 FORWARD CURRENT - 3.0 Amperes

### FEATURES

- Surge overload rating - 50 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Tinned copper leads
- Mounting Position: Any
- Mounting: Thru hole for #6 screw



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.  
 Single phase, half wave, 60Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%

CHARACTERISTICS	BR305	BR31	BR32	BR34	BR36	BR38	BR310	UNIT
	KBPC 1005	KBPC 101	KBPC 102	KBPC 104	KBPC 106	KBPC 108	KBPC 110	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at	T <sub>C</sub> =50°C (Note 1)			3.0				A
	T <sub>C</sub> =100°C (Note 1)			2.0				
	T <sub>A</sub> =50°C (Note 2)			2.0				
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load				50				A
Maximum Forward Voltage Drop per Bridge Element at 1.5A Peak				1.1				V
Maximum Reverse Current at Rated DC Blocking Voltage per Element	T <sub>A</sub> = 25°C			10.0				μA mA
	T <sub>A</sub> =100°C			1.0				
Operating Temperature Range T <sub>C</sub>				-40 to +125				°C
Storage Temperature Range T <sub>A</sub>				-40 to +125				°C

NOTES: 1. Unit mounted on metal chassis  
 2. Unit mounted on P.C. board