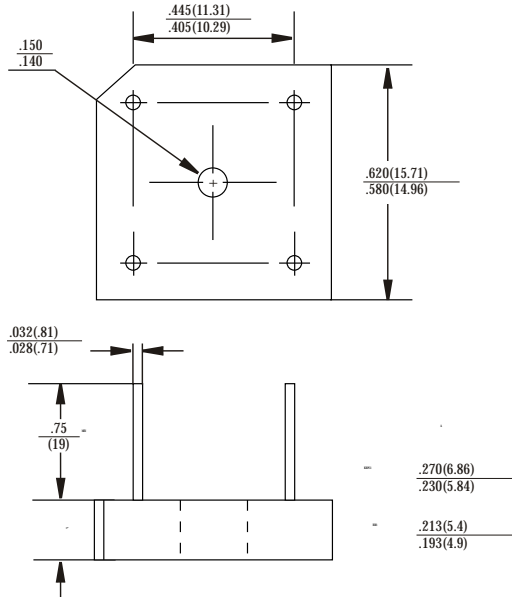
	KBPC1005/BR305	THRU	KBPC110/BR310					
SILICON BRIDGE RECTIFIERS GLASS PASSIVATED BRIDGE RECTIFIERS		Voltage Range -50 to 1000 Volts Current -2.0 Ampere						
Features Surge overload rating - 50 amperres peak Low forward voltage drop Small size: simmmple installation Tinned copper leads Mounting Position: Any Mounting: Thru hole for #6 screw		 <p>Dimensions in inches and (millimeters)</p>						
Maximum Ratings and Electrical Characteristics Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%								
Type Number	KBPC 1005	KBPC 101	KBPC 102	KBPC 104	KBPC 106	KBPC 108	KBPC 110	Units
	BR305	BR31	BR32	BR34	BR36	BR38	BR310	
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	@TC = 50°C(Note 1) @TC = 100°C(Note 1) @TA = 50°C(Note 2)							V
								A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super imposed on Rated Load	50							A
Maximum Instantaneous Forward Voltage	1.5A Peak 1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage per element	@TA = 25°C @TA = 100°C 10.0 1.0							uA mA
Operating Temperature Range Tc	-55 to +150							°C
Storage Temperature Range TA	-55 to +150							°C

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

FIG. 1-MAXIMUM FORWARD SURGE CURRENT

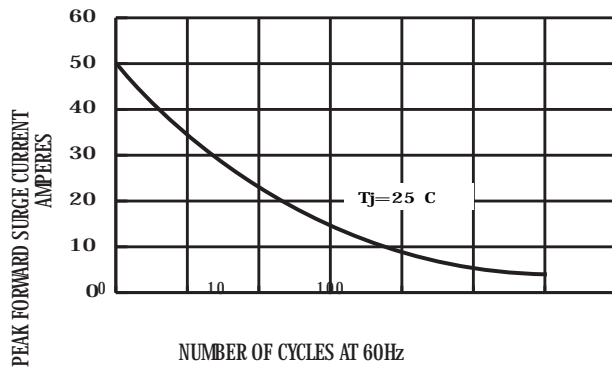


FIG. 2-DERATING CURVE
OUTPUT RECTIFIED CURRENT

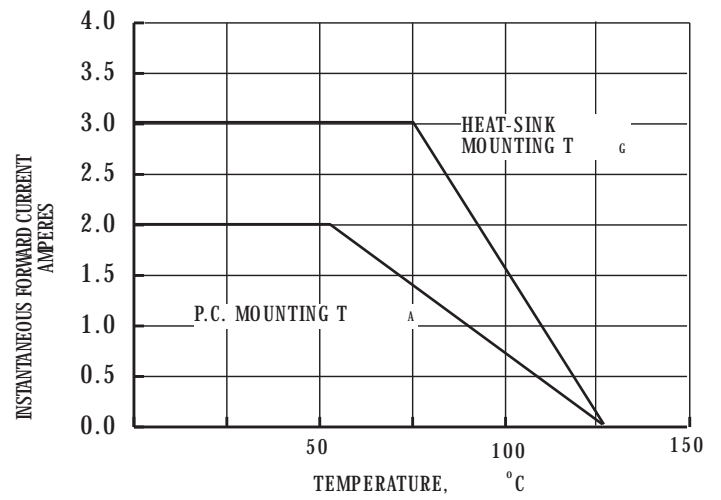


FIG. 3-TYPICAL FORWARD CHARACTERISTICS

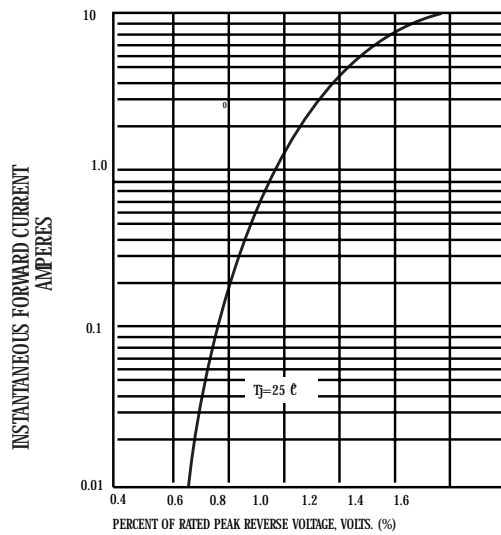


FIG. 4- TYPICAL REVERSE CHARACTERISTICS

