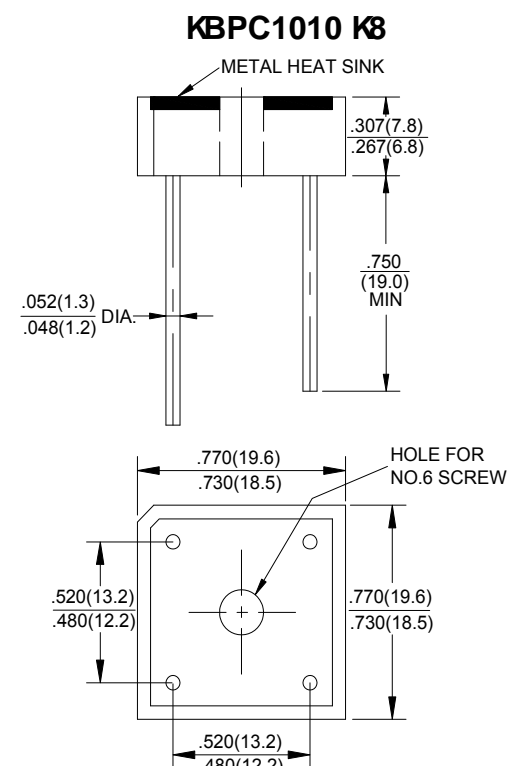


<b>SILICON BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE</b> - 50 to 1000Volts <b>FORWARD CURRENT</b> - 10.0 Amperes
<b>FEATURES</b> <ul style="list-style-type: none"> <li>● Surge overload rating -240 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Sliver plated copper leads</li> <li>● Mounting position: Any</li> </ul>	<div style="text-align: center;">  <p><b>KBPC1010 K8</b></p> <p>METAL HEAT SINK</p> <p>.307(7.8) .267(6.8)</p> <p>.750 (19.0) MIN</p> <p>.052(1.3) .048(1.2) DIA.</p> <p>.770(19.6) .730(18.5)</p> <p>HOLE FOR NO.6 SCREW</p> <p>.520(13.2) .480(12.2)</p> <p>.770(19.6) .730(18.5)</p> <p>.520(13.2) .480(12.2)</p> <p>Polarity shown on side of case, Positive lead by beveled corner.</p> <p>Dimensions in inches and (milimeters)</p> </div>

## 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	SYBMOL	KBPC10005	KBPC1001	KBPC1002	KBPC1004	KBPC1006	KBPC1008	KBPC1010	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	v
Maximum RMS Bridge Input Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	v
Maximum Average Forward Rectified Output Current at T <sub>A</sub> =50°C	I <sub>(AV)</sub>	10.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	240							A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	V <sub>F</sub>	1.0							V
Maximum Reverse Current at Rated T <sub>J</sub> =25°C	I <sub>R</sub>	10.0							μA
DC Blocking Voltage Per Element T <sub>J</sub> =100°C		1.0							mA
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C



FIG.1-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

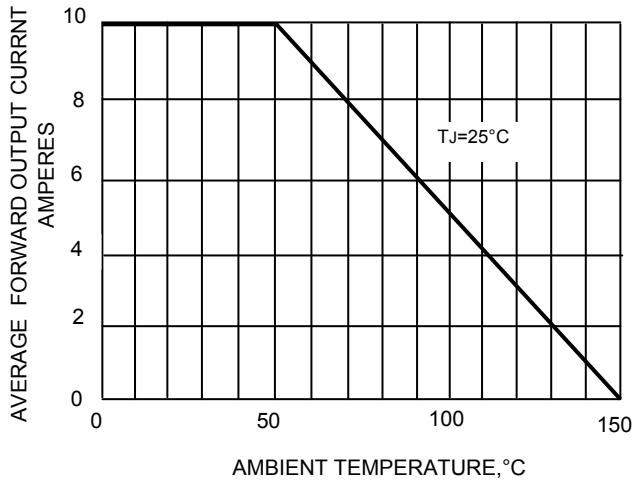


FIG.2-MAXIMUM FORWARD SURGE CURRENT

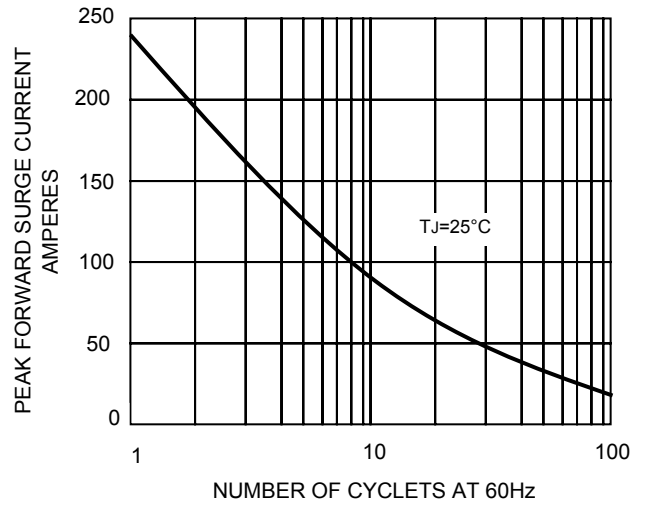


FIG.3-TYPICAL FORWARD CHARACTERISTICS

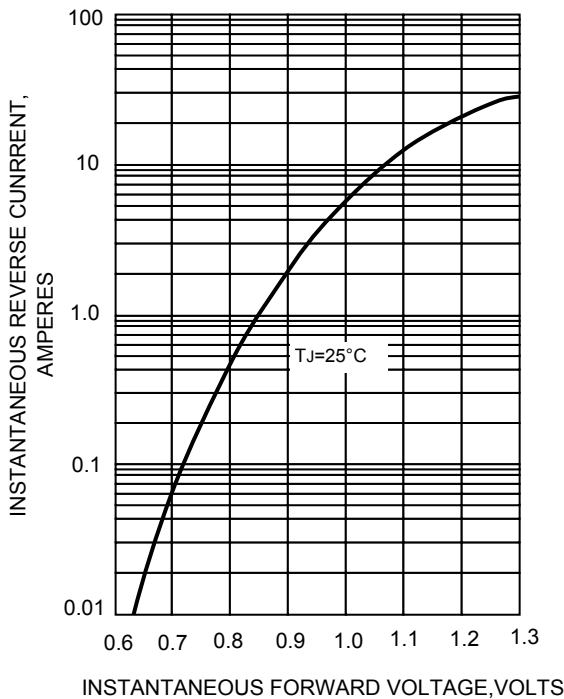
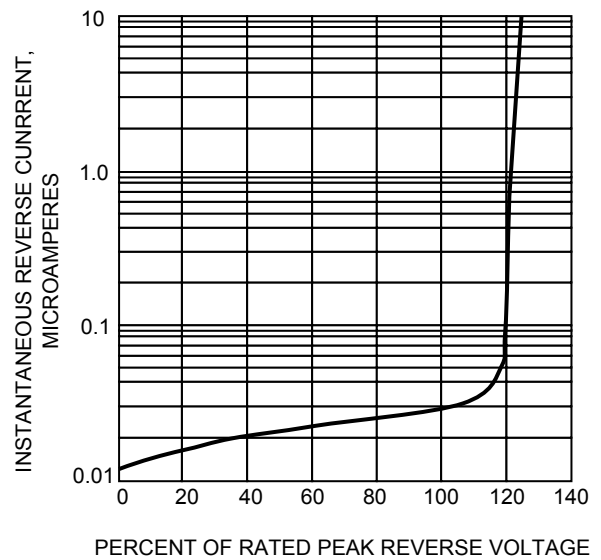


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!