KBPC10005 K8~KBPC1010 K8

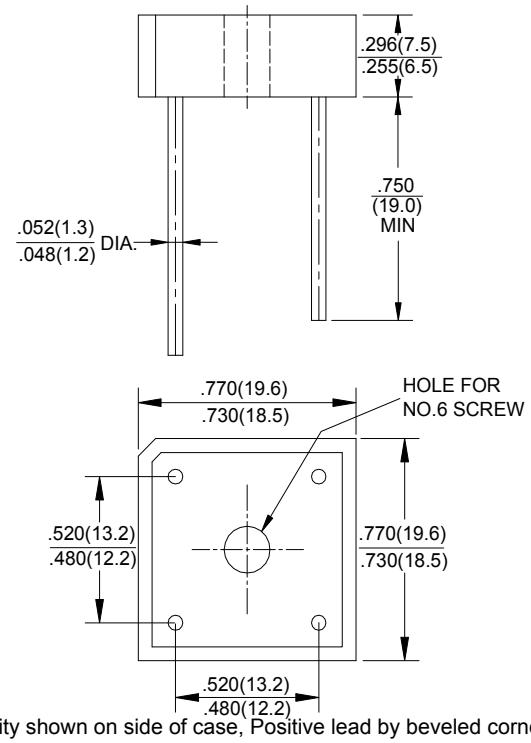
SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts
FORWARD CURRENT - **10.0** Amperes

FEATURES

- Surge overload rating -240 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Sliver plated copper leads
- Mounting position: Any

KBPC1010



Polarity shown on side of case, Positive lead by beveled corner.

Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBPC 10005	KBPC 1001	KBPC 1002	KBPC 1004	KBPC 1006	KBPC 1008	KBPC 1010	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T_A=50℃	$I_{(AV)}$	10.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	240							A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	V_F	1.0							V
Maximum Reverse Current at Rated T_J=25℃	I_R	10.0							μA
DC Blocking Voltage Per Element T_J=100℃		1.0							mA
Operating Temperature Range	T_J	-55 to +150							℃
Storage Temperature Range	T_{STG}	-55 to +150							℃

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FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

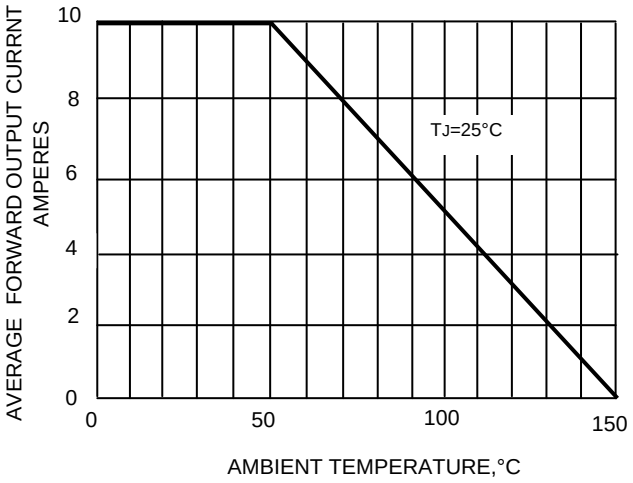


FIG.2-MAXIMUM FORWARD SURGE CURRENT

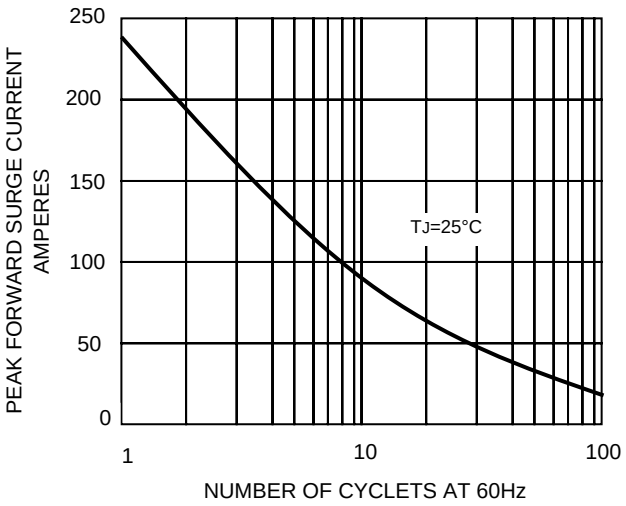


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

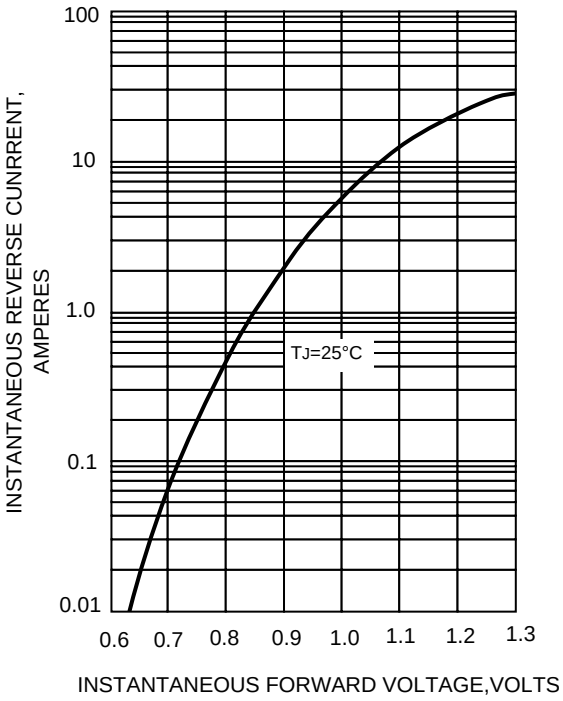
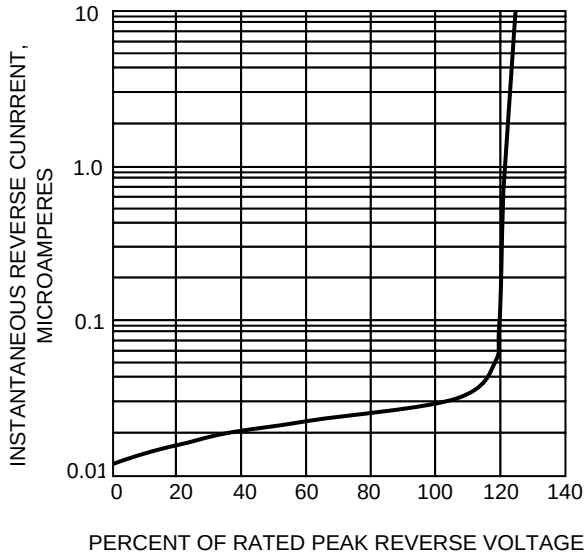


FIG.4-TYPICAL REVERSE
CHARACTERISTICS



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

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