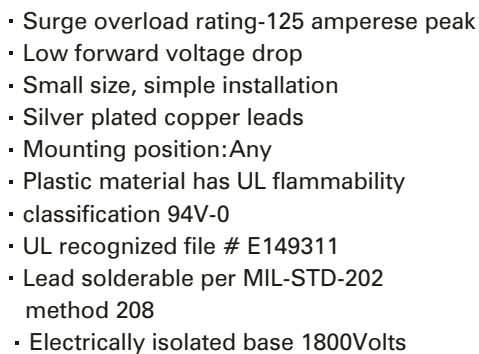


SINGLE-PHASE SILICON BRIDGE



Dimensions in inches and (millimeters)

		KBPC8005	KBPC801	KBPC802	KBPC804	KBPC806	KBPC808	KBPC810	UNITS
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 DC Blocking Voltage	V_{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ $T_A=50^{\circ}C^*$ @ $T_A=50^{\circ}C^{**}$	$V_{(AV)}$	8.0 6.0							A A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	I_{FSM}	150							A
Maximum DC Forward Voltage drop per element at 3.0A DC	V_F	1.1							V
Maximum DC Reverse Current at rated DC Blocking Voltage Per Element	I_R	10 1							μA mA
I^2t Rating for fusing($t < 8.3ms$)	I^2t	64							A ² S
Typical Thermal Resistance	$R_{\theta JC}$	6							$^{\circ}C/W$
Operating Temperature Range	T_J	-55 to +125							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

KBPC8 SERIES

SINGLE-PHASE SILICON BRIDGE



**CHENG-YI
ELECTRONIC**

RATING AND CHARACTERISTICS CURVES KBPC8 SERIES

Fig.1 - MAXIMUM FORWARD SURGE CURRENT

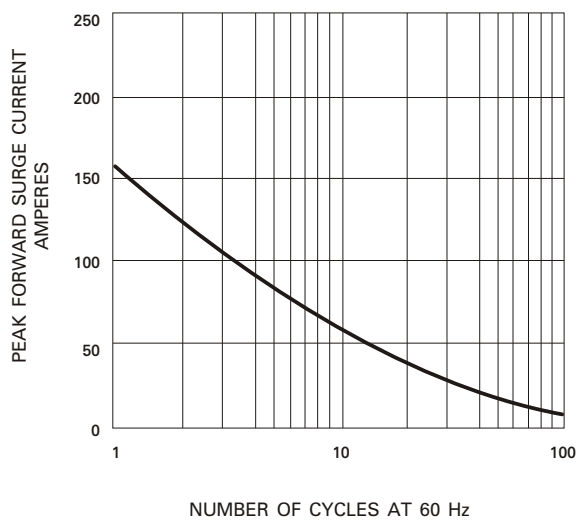


Fig.2 - DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

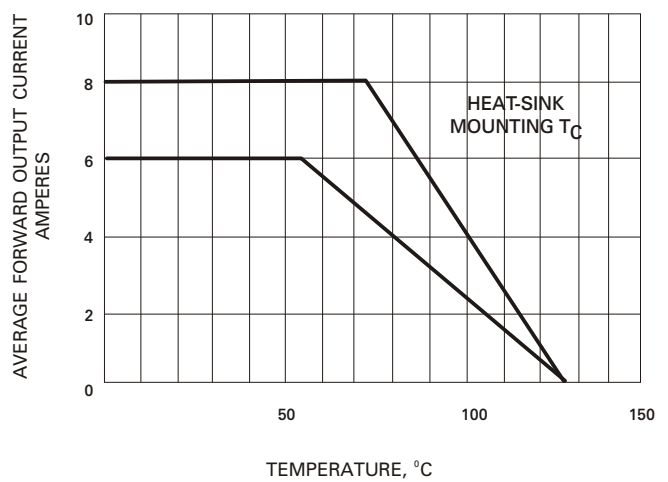


Fig.3 - TYPICAL FORWARD
CHARACTERISTICS

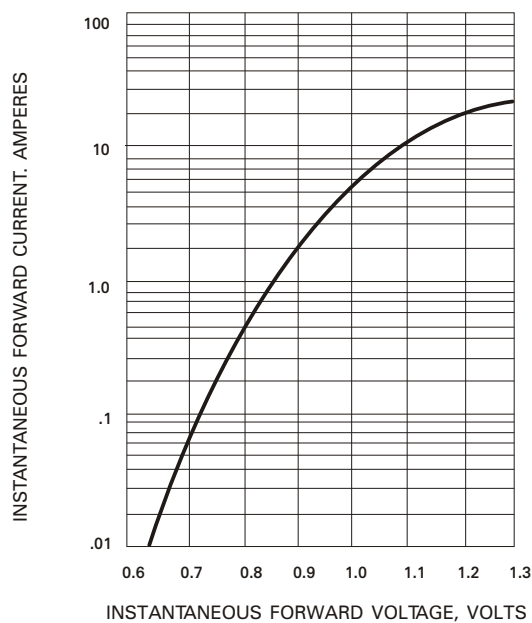


Fig.4 - TYPICAL REVERSE
CHARACTERISTICS

