

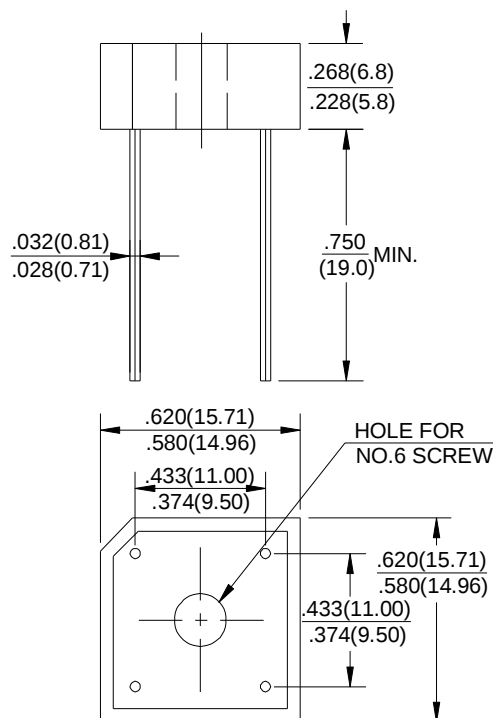
SILICON BRIDGE RECTIFIERS

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

FEATURES

- Surge overload rating - 40 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Tinned copper leads
- Mounting position: Any
- Mounting: Thru hole for #6 screw

KBPC110



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

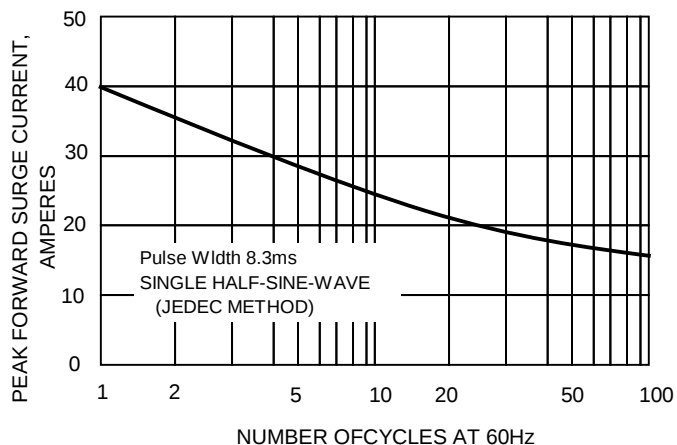
Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

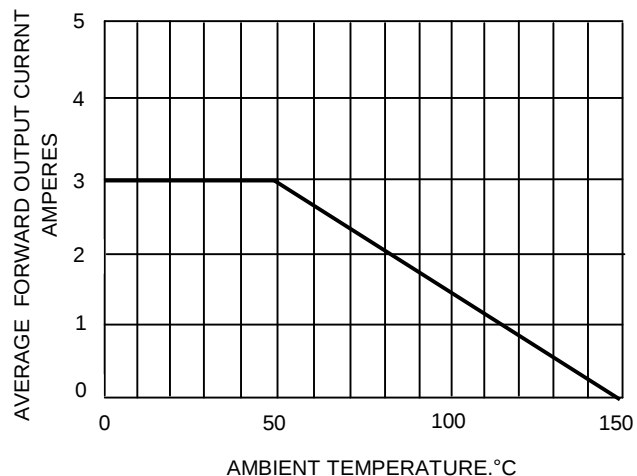
CHARACTERISTICS	SYMBOL	KBPC1005	KBPC101	KBPC102	KBPC104	KBPC106	KBPC108	KBPC110	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T _A =50°C	I _(AV)	3.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	40							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V _F	1.1							V
Maximum Reverse Current at Rated T _J =25°C	I _R	10.0							μA
DC Blocking Voltage Per Element T _J =100°C		1.0							mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C



FIG.1-MXIMUM NON-REPETITIVE
SURGE CURRENT



FLG.2-DEATING CURVE
OUTPUT RECTIFIED CURRENT



FLG.3-TYPICAL FORWARD
CHARACTERISTICS

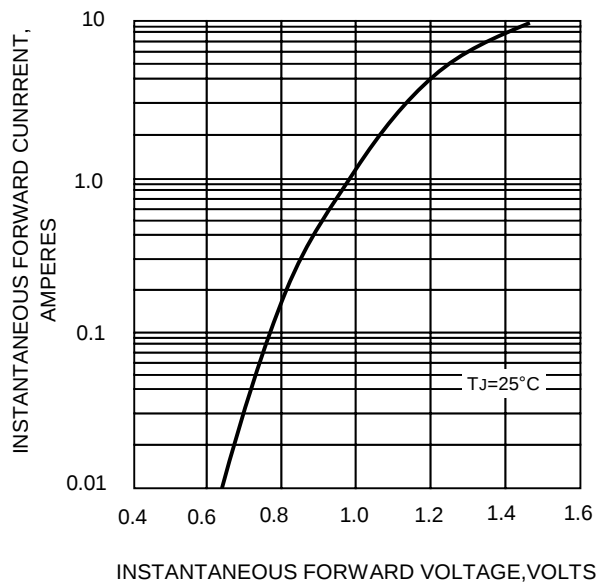


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

