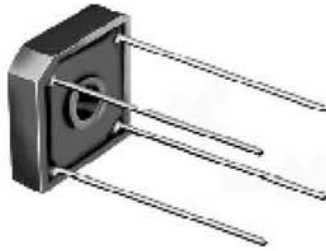
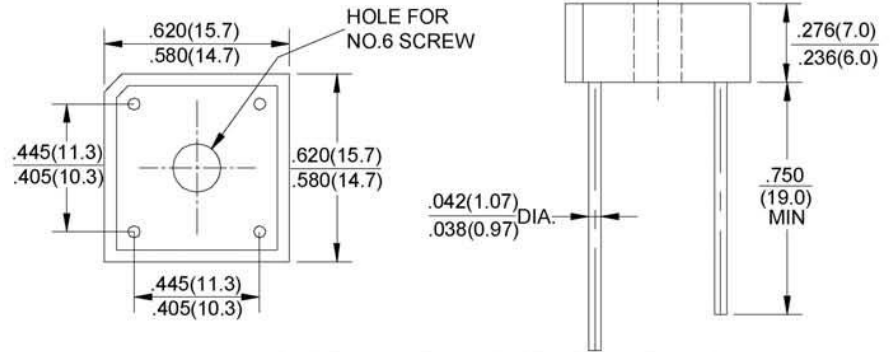


Description



KBPSC

Mechanical Dimensions



* Dimensions in inches (mm)

FEATURES

- * Surge overload rating - 175A peak
- * Low forward voltage drop
- * Small size; simple installation
- * Silver plated copper leads
- * Mounting position: Any

MECHANICAL DATA

- * Polarity shown on side of case
- * Positive lead beveled corner
- * UL recognized available / RoHS Compliant
- * Hole for # 6 screw
- * Weight: 4.8grams

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	KBPSC6005	KBPSC601	KBPSC602	KBPSC604	KBPSC606	KBPSC608	KBPSC610	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Bridge Input Voltage	V _{RMS}	30	70	140	280	420	560	700	V	
Maximum Average Forward Rectified Output Current at T _c =100°C (Note1) T _A =50°C (Note2)	I _(AV)	6.0						3.0		A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	175								A
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	V _F	1.0								V
Maximum Reverse Current at Rated T _A =25°C	I _R	10.0								uA
DC Blocking Voltage Per Element T _A =100°C		1.0								mA
Operating Temperature Range	T _J	-55 to +125								°C
Storage Temperature Range	T _{STG}	-55 to +125								°C

Notes: 1. Unit mounted on metal chassis

2. Unit mounted on P.C. board



RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

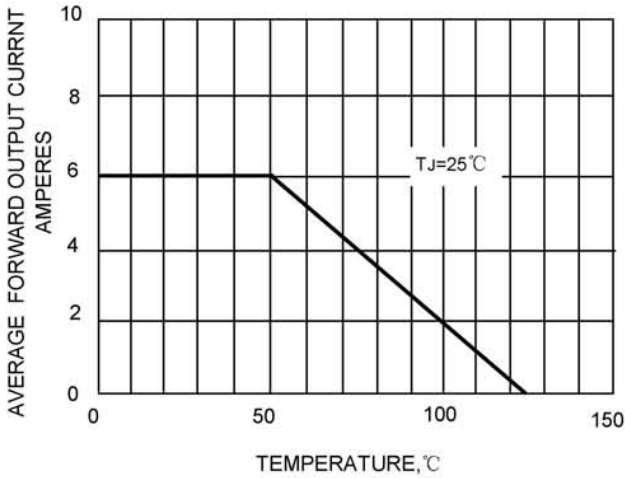


FIG.2-TYPICAL REVERSE
CHARACTERISTICS

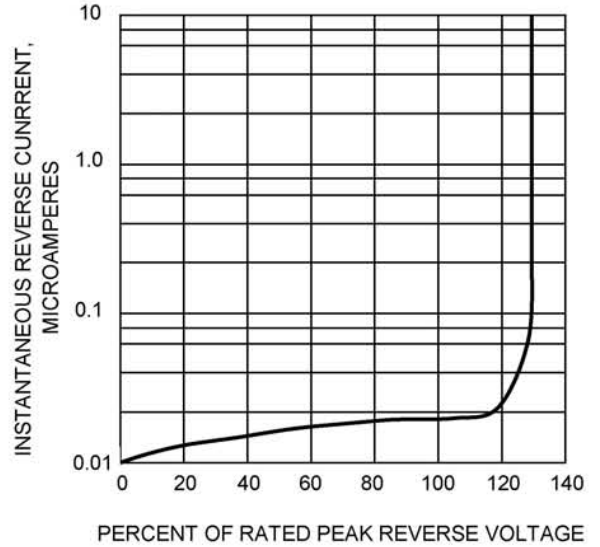


FIG.3-MAXIMUM FORWARD SURGE CURRENT

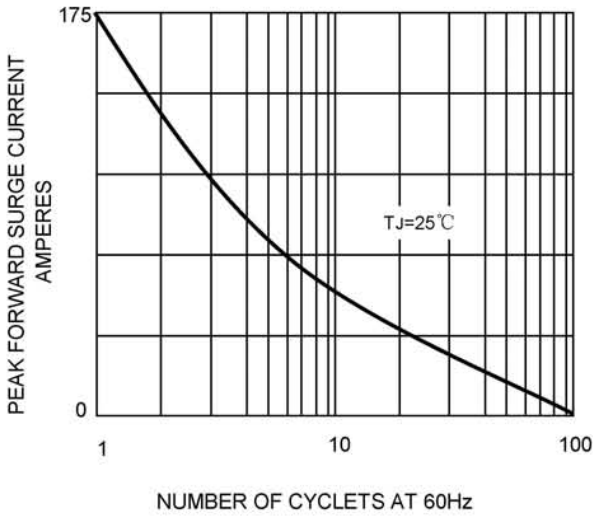


FIG.4-TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

