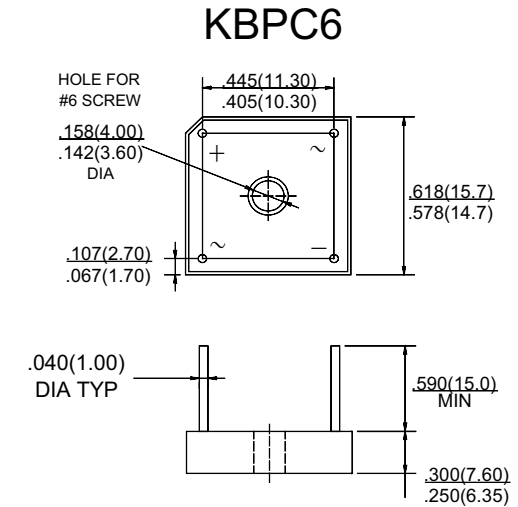


FEATURES

- UL Recognized
- Current 6.0 Amps
- Voltage Range 50V ~ 1000V
- Glass passivated chip
- High surge forward current capability

MECHANICAL DATA

- Case: Molded Plastic
- Mounting through hole for No. 6 screw
- Mounting Torque: recommend 5Kg • cm
- Polarity: As marked
- Weight: 3.8 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS & ELECTRICAL CHARACTERISTICS

(T_A = 25°C Unless otherwise noted)

Parameter	Symbol	KBPC 6005	KBPC 601	KBPC 602	KBPC 604	KBPC 606	KBPC 608	KBPC 610	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Average Forward Rectified Current @ T _c = 50°C	I _O (AV)	6.0							A
Peak Forward Surge Current 8.3ms single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	150							A
I ² t Rating for fusing (t < 8.3ms) (Note 1)	I ² t	93							A ² Sec
Peak Forward Voltage	V _{FM}	1.1							V
Maximum DC Reverse Current at rated DC Blocking Voltage	I _{RRM}	10							μA
Typical Thermal Resistance	R _{θJA}	9							°C / W
Operating Temperature Range	T _J	-55 ~ +150							°C
Storage Temperature Range	T _{STG}	-55 ~ +150							°C

Note: 1. Device mounted on P.C. Board.

RATING & CHARACTERISTIC CURVES

FIG.1-MAXIMUM CURRENT DERATING CURVE

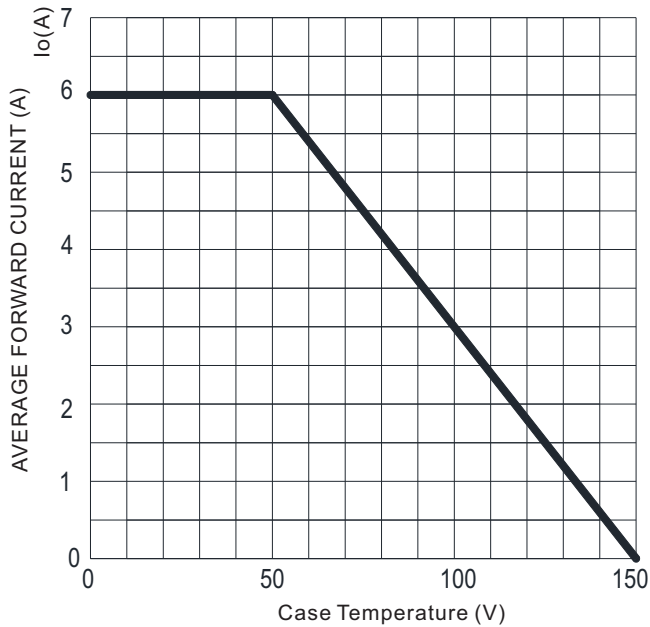


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

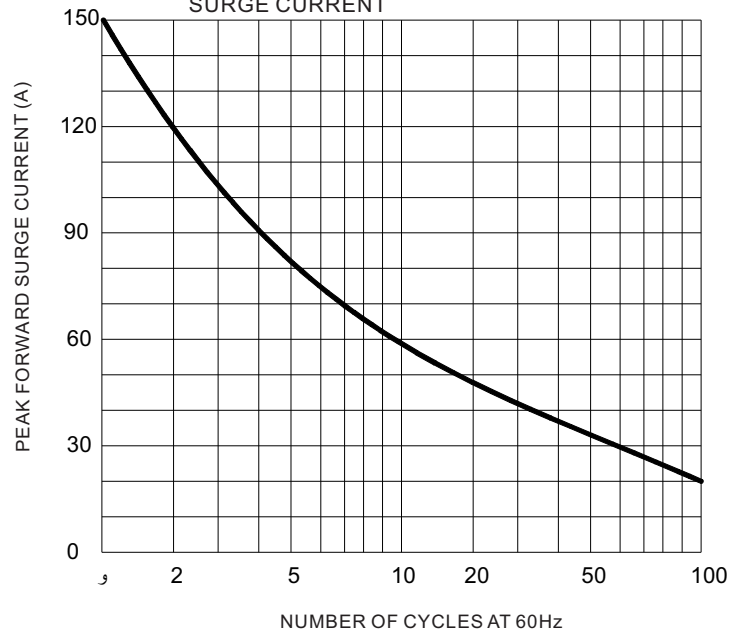


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

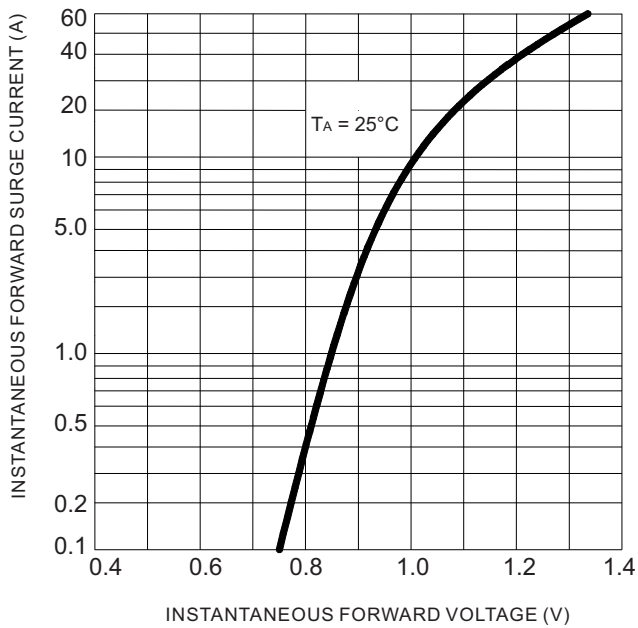


FIG.4-TYPICAL REVERSE CHARACTERISTICS

