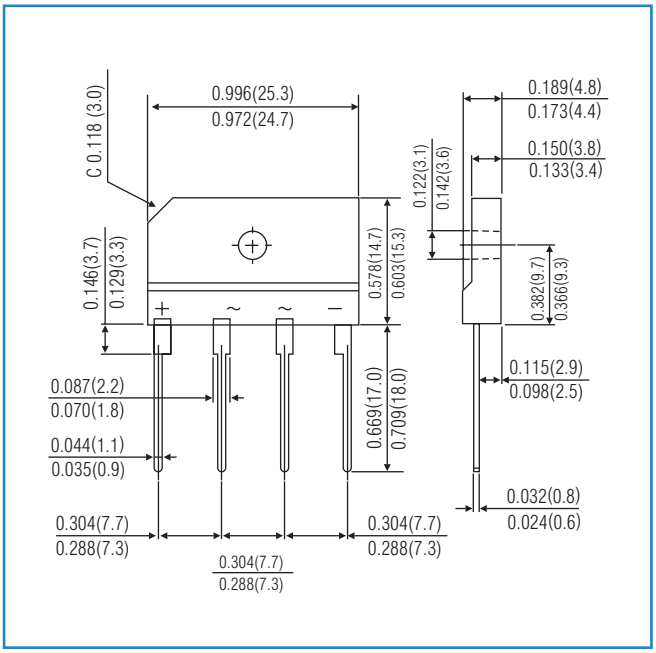
SEMI CONDUCTOR

KBJ6005G THRU KBJ610G

GLASS PASSIVATED SINGLE-PHASE BRIDGE RECTIFIER

VOLTAGE 50 to 1000 Volts **CURRENT** 6.0 Amperes

KBJ Unit : inch (mm)



FEATURES

- Plastic material used carries Underwriters Laboratory recognition 94V-O
- Low leakage
- Surge overload rating-- 30 amperes peak
- Ideal for printed circuit board
- Exceeds environmental standards of MIL-S-19500/228
- Lead free in comply with EU RoHS 2011/65/EU directives
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICALDATA

Case: Reliable low cost construction utilizing molded plastic technique results in inexpensive product

Terminals: Lead solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbols molded or marking on body

Mounting Position: Any

Weight: 0.02 ounce, 0.4 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum Ratings&Electrical Characteristics Ratings at 25℃ambient temperature unless otherwise sp ecified

	SYMBOLS	KBJ 6005G	KBJ 601G	KBJ 602G	KBJ 604G	KBJ 606G	KBJ 608G	KBJ 610G	UNITS
最大可重复峰值反向电压 Maximum reecurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
最大均方根电压 Maximum rms lnput voltage	VRMS	35	70	140	280	420	560	700	Volts
最大直流阻断电压 Maximum dc blocki ng voltage	VDC	50	100	200	400	600	800	1000	Volts
最大正向平均整流电流 Maximum average forward output rectified	I(AV)	6.0							Amps
正向峰值浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3ms single half sine-wave	IFSM	175							Amps
最大正向电压降 Maximum forward voltage	VF	1.05							Volts
最大反向漏电流 TA=25℃ Maximum reverse voltage TA=125℃	IR	5.0 500							μA
工作温度和存储温度 Operating and storage temperature range	TJ,TSTG	-55 to + 150							℃

SEMI CONDUCTOR

KBJ6005G THRU KBJ610G

RATING AND CHARACTERISTIC CURVES

Fig. 1- DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

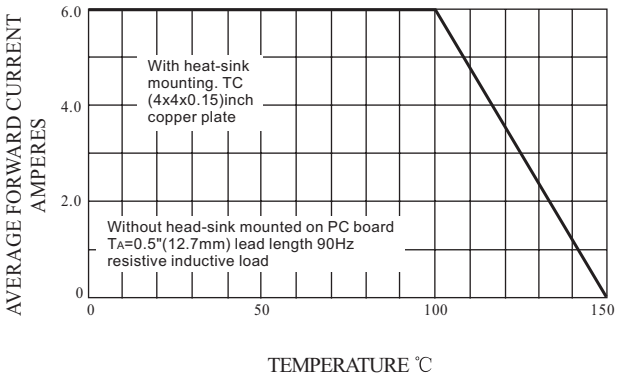


Fig. 2- MAXIMUM NON-REPETITEVE PEAK FORWARD SURGE CURRENT

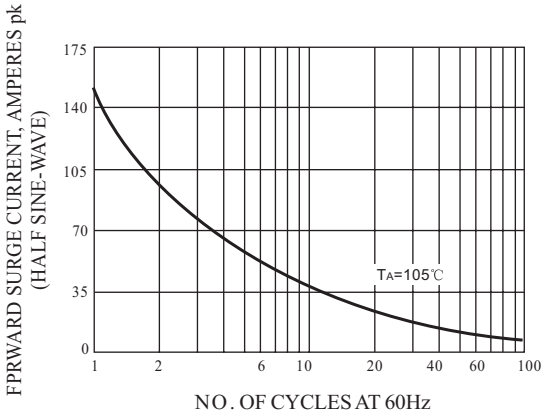


Fig. 3- TYPICAL REAK REVERSE CHARACTERISTICS

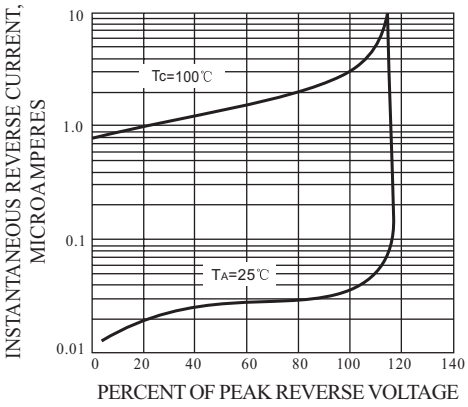


Fig. 4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISITCS PER ELEMENT