KBL6005 --- KBL610

GLASS PASSIVATED BRIDGE RECTIFIERS

VOLTAGE RANGE: 50 --- 1000 V
CURRENT: 6.0 A

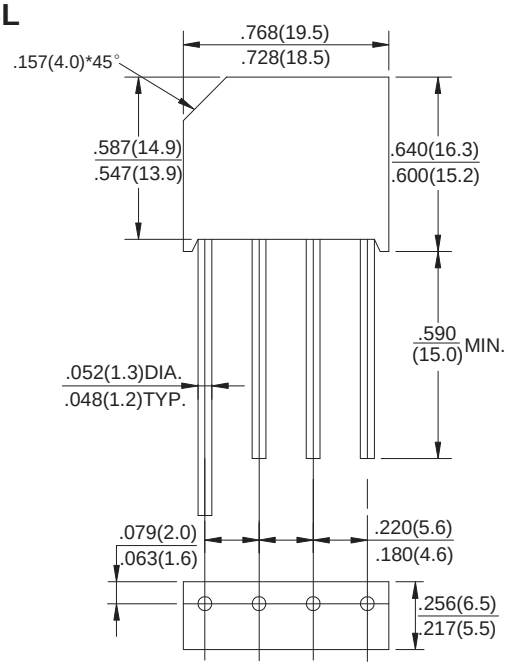
FEATURES

- Surge overload rating -150 Amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position :Any
- Weight: 0.17 ounces , 4.7 grams

MECHANICAL DATA

- Case style: KBL plastic molded
- Mounting position: Any

KBL



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate by 20%.

CHARACTERISTICS	SYMBOL	KBL 6005	KBL 601	KBL 602	KBL 604	KBL 606	KBL 608	KBL 610	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Output 6.0A Current at 50℃ T_A (Note1)	$I_{(AV)}$	6.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave 6.0A Super Imposed on Rated Load	I_{FSM}	150							A
Maximum Forward Voltage Drop Per Element at 3.0A Peak	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage and 150℃ T_A	I_R	1.0							mA
Operating Temperature Range T_J	T_J	-55 to +150							℃
Storage Temperature Range T_A	T_{STG}	-55 to +150							℃

NOTES：1. Mounting conditions ,0.5〃 lead length maximum.

RATINGS AND CHARACTERISTIC CURVES

FLG.1-MAXIMUM FORWARD SURGE CURRENT

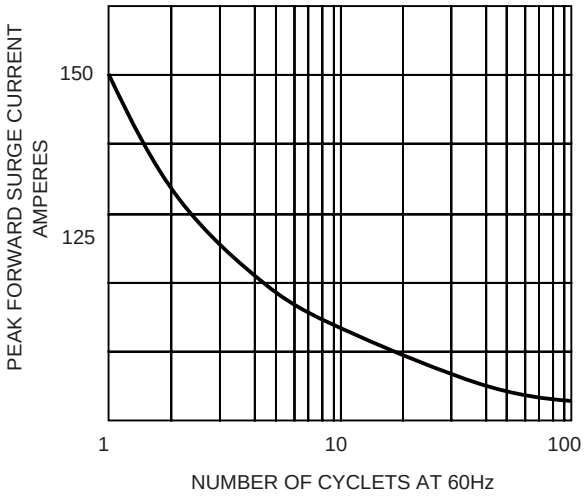


FIG.2-DERATING CURVE
OUTPUT RECTIFIED CURRENT

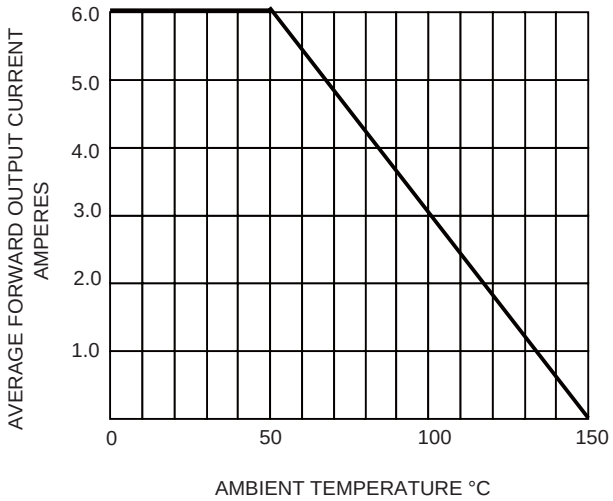


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

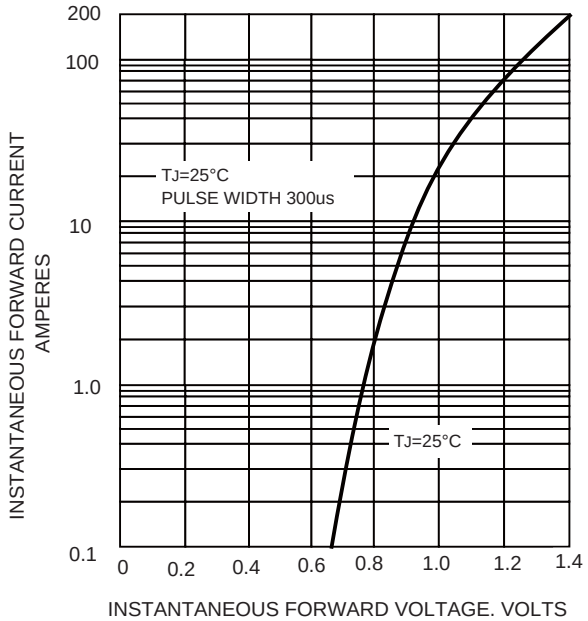


FIG.4-TYPICAL REVERSE
CHARACTERISTICS