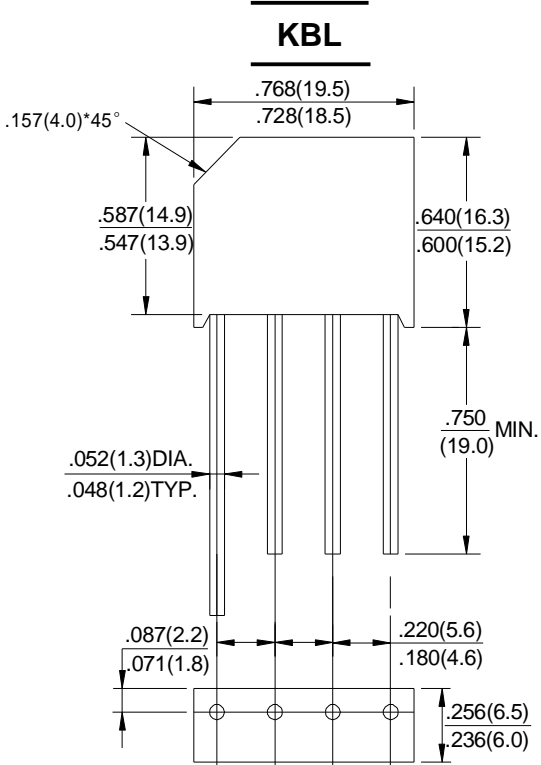




# KBL005G thru KBL10G

<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	REVERSE VOLTAGE - <b>50 to 1000Volts</b> FORWARD CURRENT - <b>4.0Amperes</b>
<b>FEATURES</b> <ul style="list-style-type: none"> <li>● Surge overload rating -125 Amperes peak</li> <li>● Ideal for printed circuit board</li> <li>● Plastic material has UL flammability classification 94V-0</li> <li>● Mounting position :Any</li> </ul>	 <p>Dimensions in inches and (milimeters)</p>

## 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	KBL 005G	KBL 01G	KBL 02G	KBL 04G	KBL 06G	KBL 08G	KBL 10G	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 Current at 50°C TA (Note1)	I(AV)	4.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125							A
Maximum Forward Voltage Drop Per Element at 4.0A Peak	VF	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	10.0							µA
Maximum Reverse Current at Rated DC Blocking Voltage and 150°C TA	IR	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

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

**RATING AND CHARACTERISTIC CURVES**  
**KBL005G thru KBL10G**



FIG.1-MAXIMUM FORWARD SURNGE CURRENT

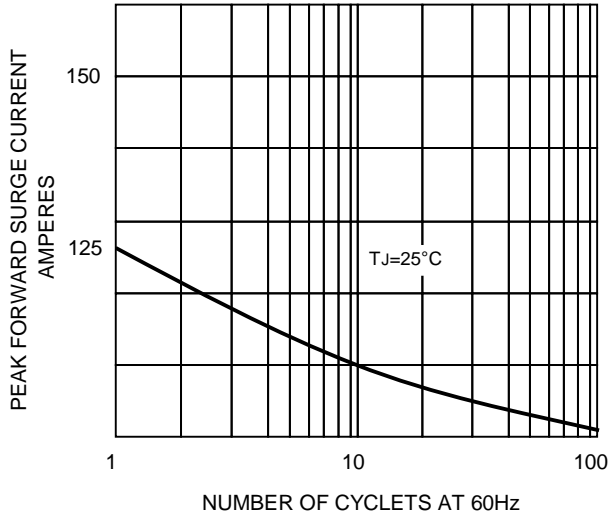


FIG.1-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

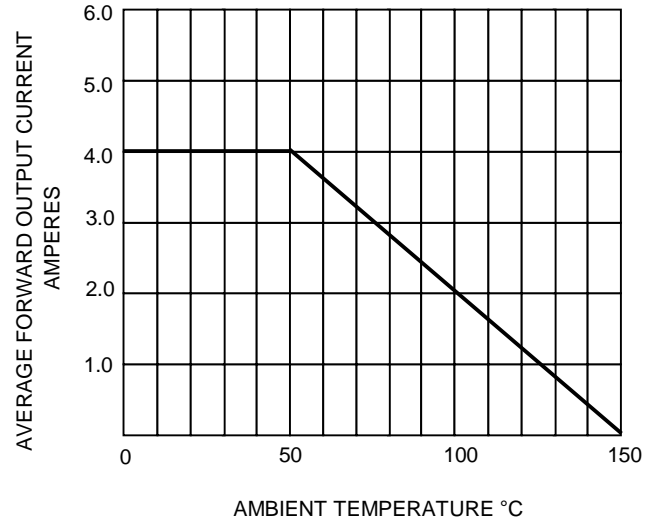


FIG.4-TYPICAL FORWARD CHARACTERISTICS

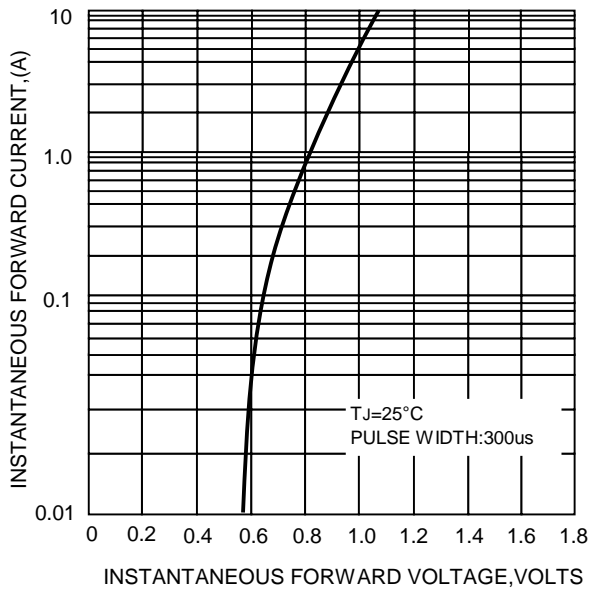


FIG.4- TYPICAL REVERSE CHARACTERISTICS

