

KBL6005 THRU KBL610

CURRENT 6.0 Amperes
VOLTAGE 50 to 1000 Volts

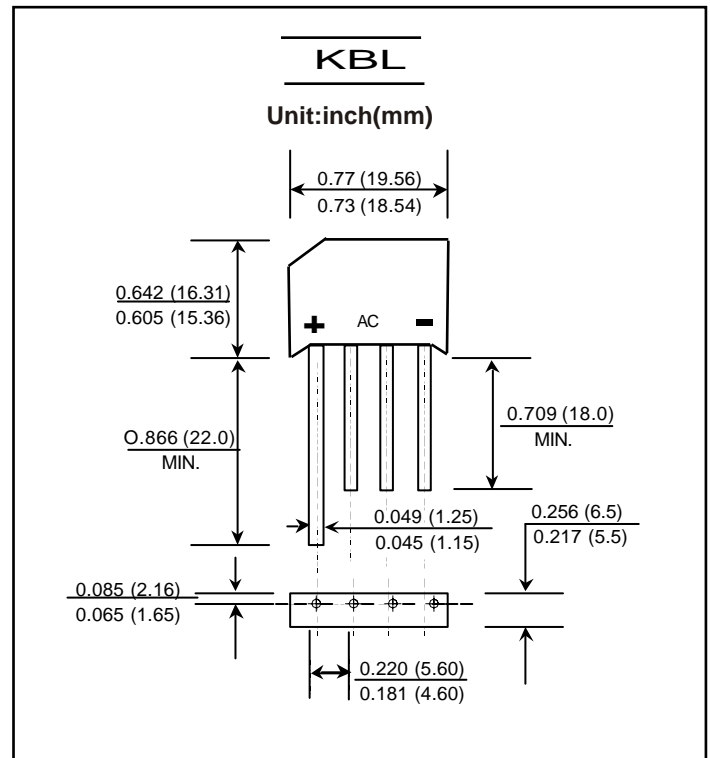
GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES

- High forward surge current capability
- Ideal for printed circuit board
- High temperature soldering guaranteed:
260°C/10 second, 0.375" (9.5mm) lead length
at 5 lbs. (2.3kg) tension.
- Electrically isolated base-1500 Volts

MECHANICAL DATA

- Case: Transfer molded plastic
- Terminal: Lead solderable per MIL - STD - 202E
method 208C
- Mounting Position: Any
- Weight: 0.22 ounce, 6.21 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%

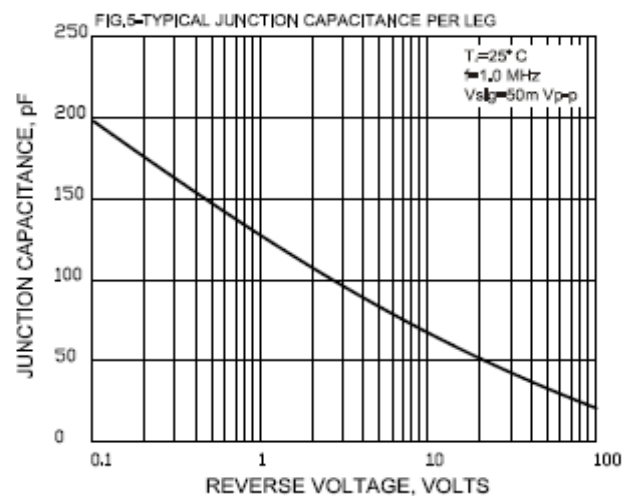
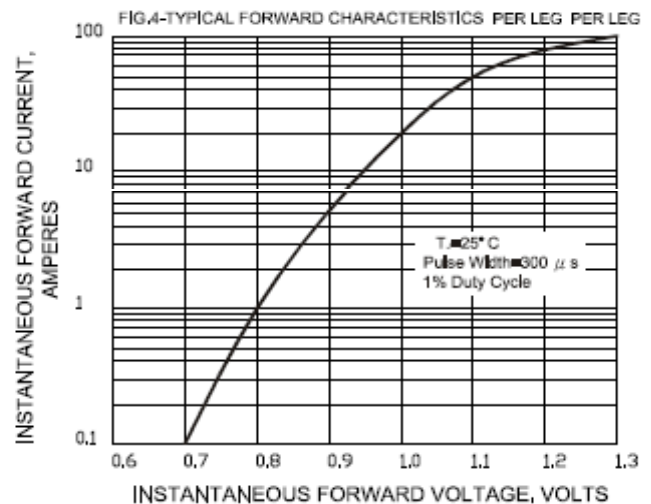
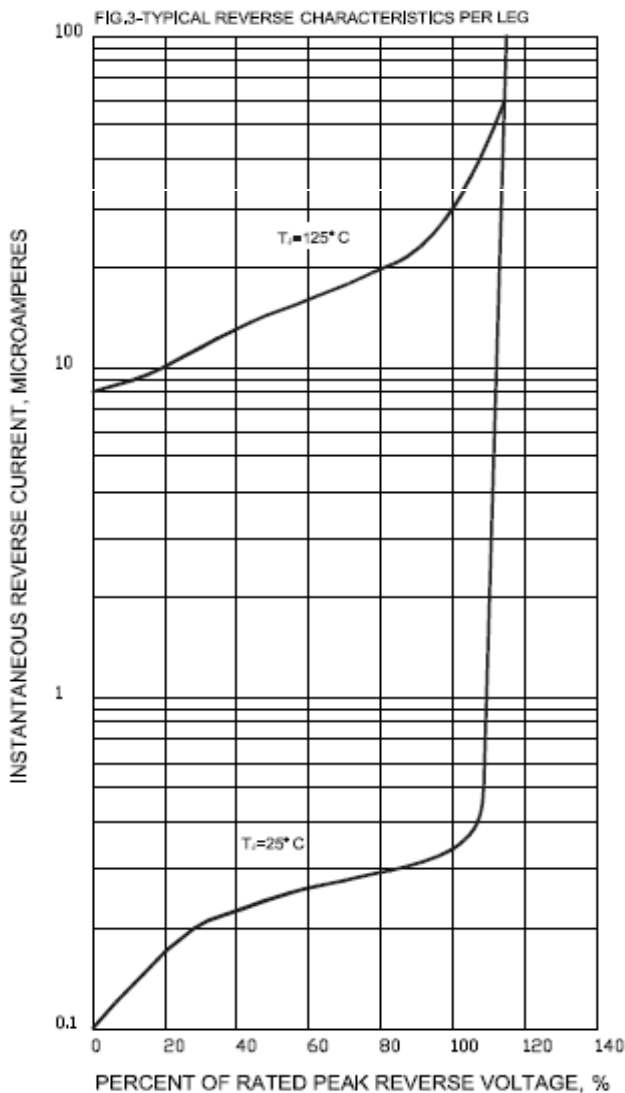
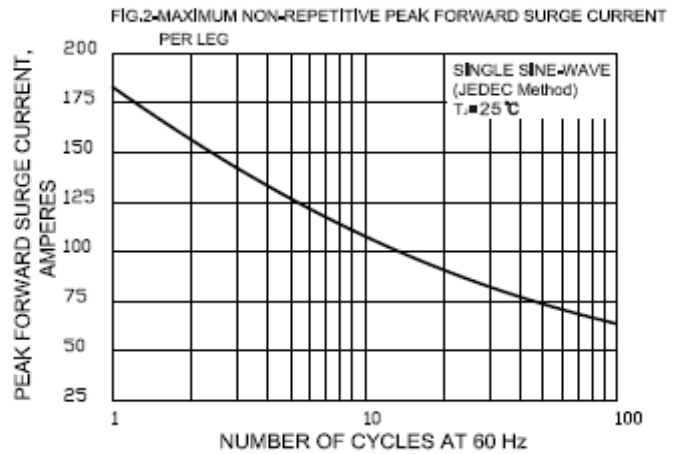
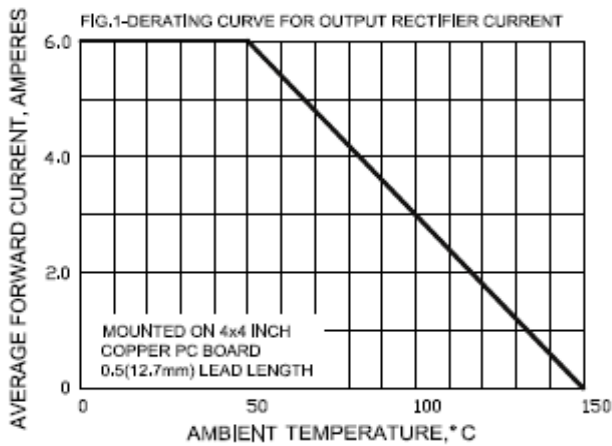
CHARACTERISTICS	SYMBOL	KBL6005	KBL601	KBL602	KBL604	KBL606	KBL608	KBL610	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current at 40°C TA (Note1)	I(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	180							A
Maximum Forward Voltage Drop Per Element at 6.0 A Peak	VF	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	5.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage and 125°C TA	IR	100							uA
Operating Temperature Range TJ	TJ	-55 to +150							°C
Storage Temperature Range TA	TSTG	-55 to +150							°C

NOTES:

1. Mounting conditions ,0.5" lead length maximum.

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Note: Specifications are subject to change without notice. For more detail and update, please visit our website.