Kingtronics®

KBL4005 THRU KBL410

SINGLE-PHASE BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts

CURRENT 4.0 Ampere

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 208℃.

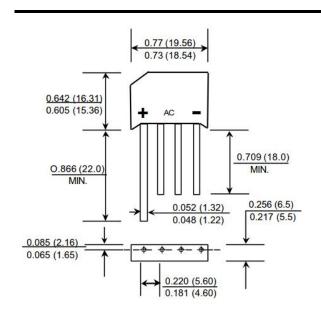
Mounting position: Any.

Weight: 0.22 ounce, 6.21 gram.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

KBL



Dimensions in inches and (millimeters)

PARAMETER	SYMBOL	KBL4005	KBL401	KBL402	KBL404	KBL406	KBL408	KBL410	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Input 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
Maximum Average Forward Output Current at 40℃ T _A (Note 1)	I _(AV)	4.0							Α
Peak Forward Surge Current 8.3ms single half	1	150							A
sine-wave Super Imposed on Rated Load	I _{FSM} 150								
Maximum forward Voltage Drop Per Element at	V	1.1							V
4.0A Peak	V _F 1.1								
Maximum DC Reverse Current at Rated DC Blocking voltage	I R	5.0							μА
Maximum Reverse Current at Rated DC Blocking voltage and 150℃ T _A	I R	1.0							mA
Operating Temperature RangeTJ	T _J	-65 to +125							$^{\circ}$ C
Storage Temperature RangeTA	Тѕтс	-65 to +150							$^{\circ}$

1- Mounting conditions, 0.5" lead length maximum.

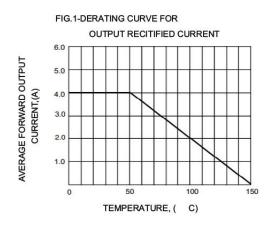
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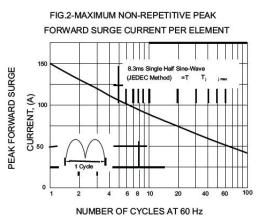
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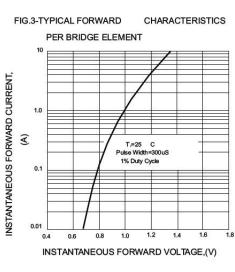
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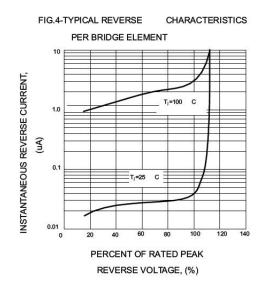
KBL4005 THRU KBL410

RATINGS AND CHARACTERISTIC CURVES

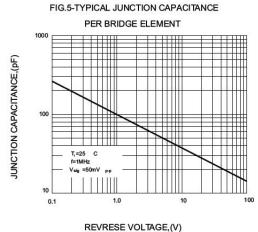








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Note: Specifications are subject to change without notice.

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