KBL4005 THRU KBL410

Single Phase 4.0 AMPS. Silicon Bridge Rectifiers

Voltage Range 50 to 1000 Volts Current 4.0 Amperes

FEATURES

◆Ideal for printed circuit board

◆ Reliable low cost construction technique results in inexpensive product

◆ High temperature soldering guaranteed:

lead length at 5 lbs., (2.3 kg) tension

◆UL Recognized File number: E347215

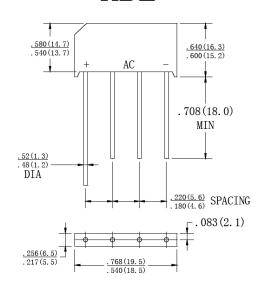
MECHANICAL DATA

◆Case: Molded plastic

◆Lead: solder plated

◆Polarity: As marked

KBL



Dimensions in inches and (millimeters)

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%

Type Number		KBL 4005	KBL 401	KBL 402	KBL 404	KBL 406	KBL 408	KBL 410	UNITS
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS 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 Rectified Current at Ta=50℃	I(AV)	4.0							A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	Ifsm	150							A
Maximum Instantaneous Forward Voltage at 4.0A	VF	1.1							V
Maximum DC Reverse Current @ Ta=25°C rated DC blocking voltage per leg Ta=125°C	Ir	10 500							μΑ
Typical Thermal Resistance (Note)	Reja Rejl	19 2.4							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}\!\mathbb{C}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$ C

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B.with 0.47×0.47"(12×12mm) Copper Pads.

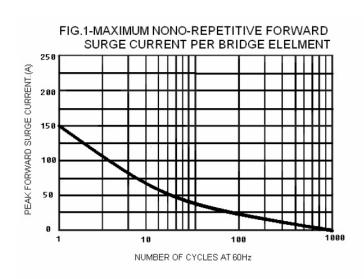
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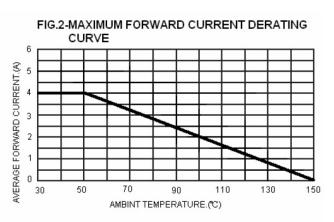
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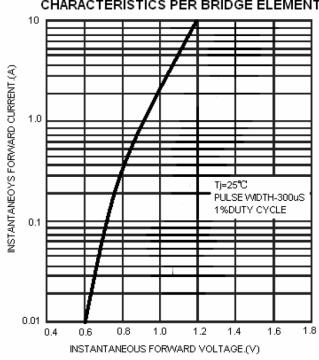
Current 4.0 Amperes

RATING AND CHARACTERISTIC CURVES KBL4005 THRU KBL410

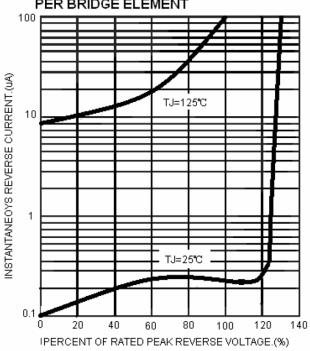












Note: Specification are subject to change without notice. For more detail and update, please visit our website.