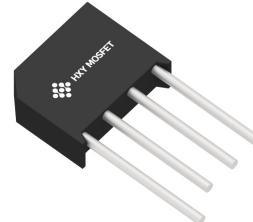


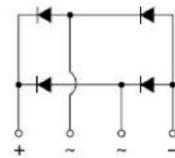


## Features

- Ideal for printed circuit board mounting
- This series is UL listed under the Recognized Component Index, file number E142814
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Built-in printed circuit board stand-offs
- High case dielectric strength
- High temperature soldering guaranteed 265°C /10 seconds at 5 lbs (2.3kg) tension



**KBL**



## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
KBL406_B0_10001	KBL	KBL406	500

## Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	KBL 4005	KBL 401	KBL 402	KBL 404	KBL 406	KBL 408	KBL 410	Unit
Maximum repetitive 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 rectified output current at TA=100°C	IF(AV)					4			A
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM					200			A
Rating for fusing ( t<8.3ms)	I <sup>2</sup> t				166				A <sup>2</sup> sec
Typical thermal resistance per element(1)	ReJA				10				°C / W
Operating junction and storage temperature range	TJ, TSTG				-55 to + 150				°C

## Electrical Characteristics

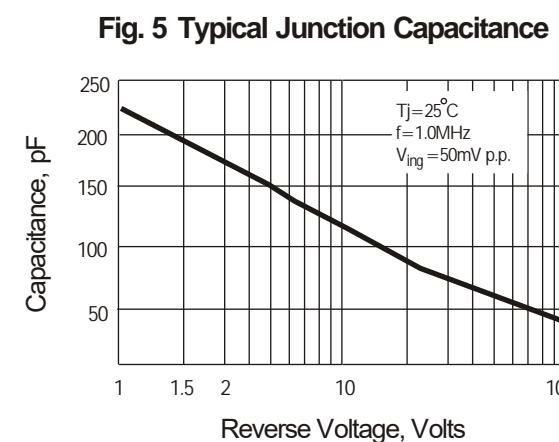
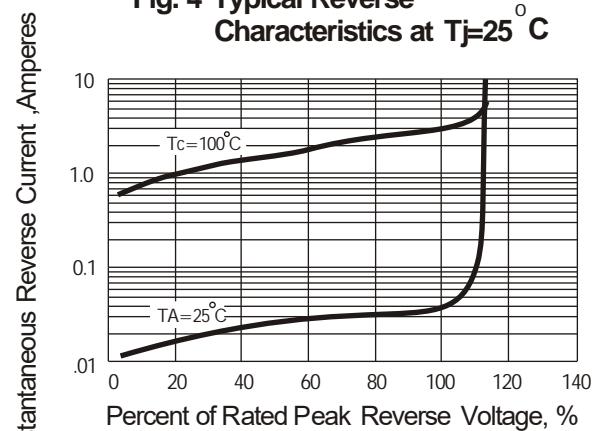
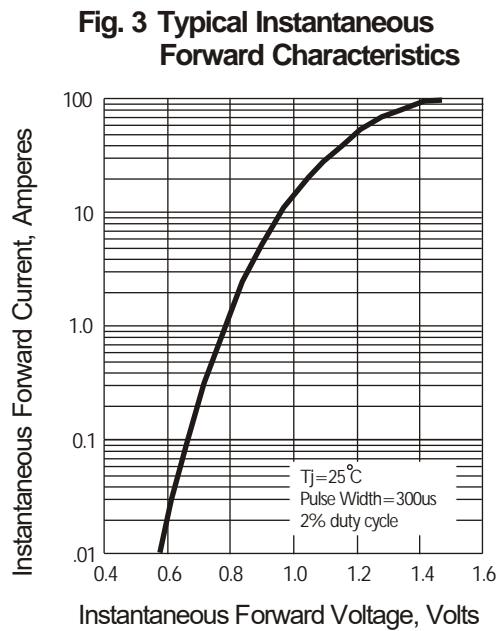
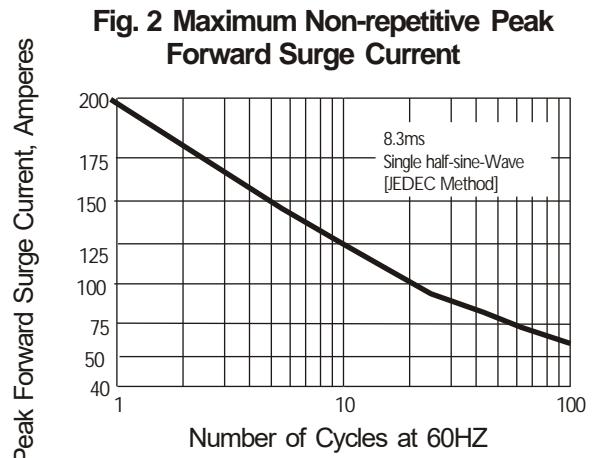
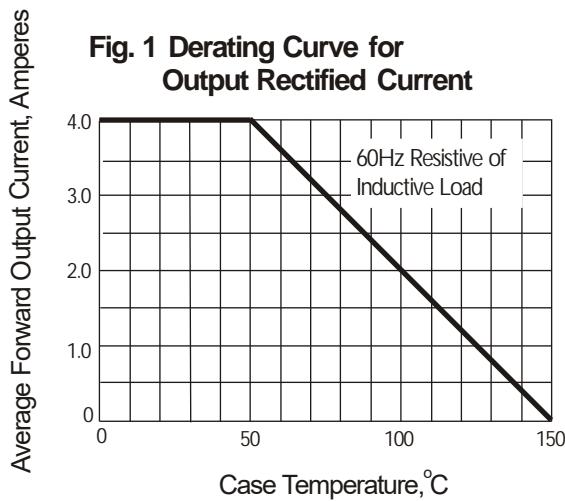
Rating at 25°C ambient temperature unless otherwise specified. Resistive or Inductive load, 60Hz. For Capacitive load derate by 20 %.

Parameter	Symbol	KBL 4005	KBL 401	KBL 402	KBL 404	KBL 406	KBL 408	KBL 410	Unit
Maximum instantaneous forward voltage drop per leg at 4.0A	VF			1.1					V
Maximum DC reverse current at rated TA =25°C DC blocking voltage per element TA =125°C	IR			10		1000			μA

**Notes:** (1)Thermal resistance from Junction to Ambert on P.C.board mounting.

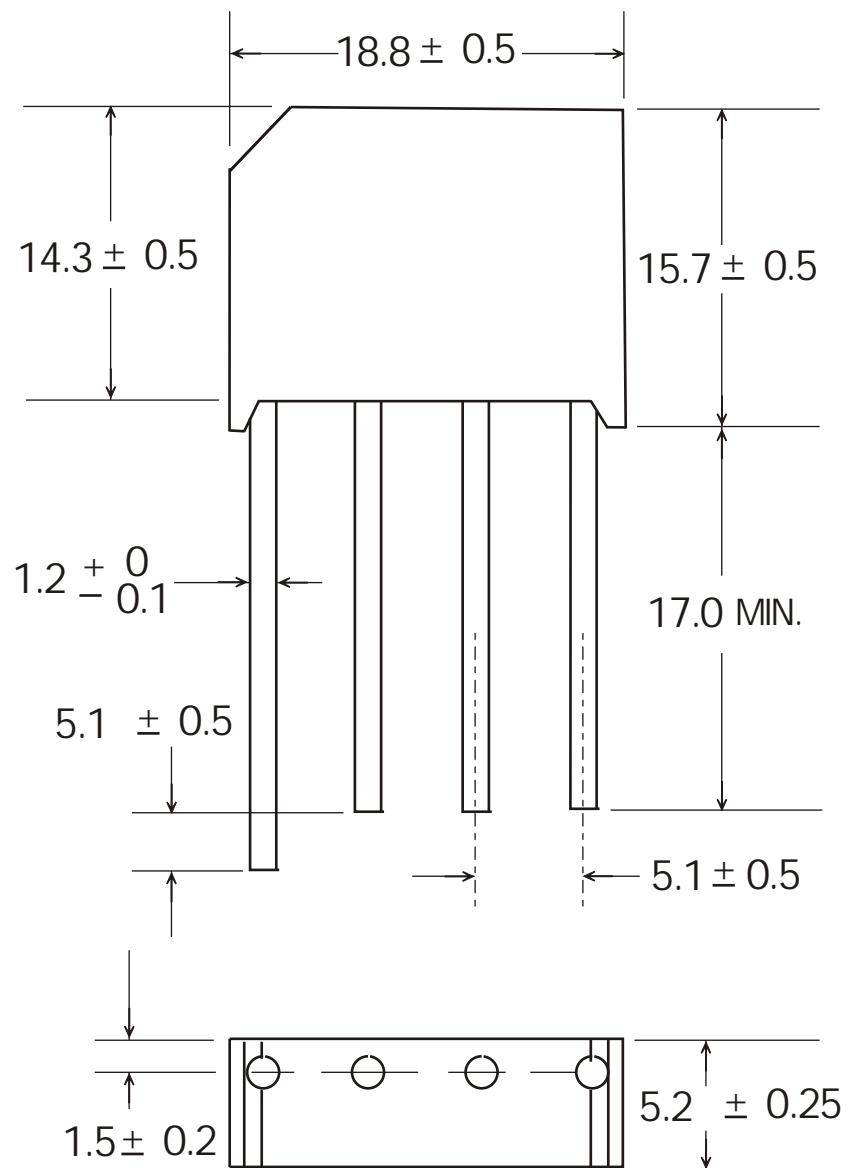


## Rating and Characteristic Curves ( $T_A=25^\circ\text{C}$ unless otherwise noted)





### KBL Package Outline Dimensions





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