

KBL005G THRU KBL10G

Glass Passivated Bridge Rectifiers 玻璃钝化整流桥

Reverse Voltage - 50 to 1000 Volts 反向电压 50-1000V Forward Current - 4.0 Amperes 正向电流 4.0A

Features 特征

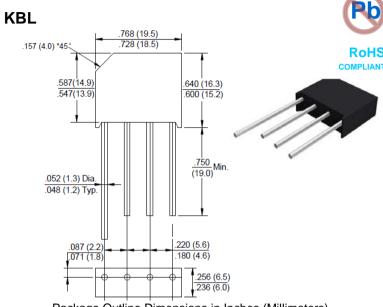
- Glass passivated chip 玻璃钝化芯片
- Low forward voltage drop 正向压降低
- Ideal for printed circuit board 适用于印刷电路板中
- High surge current capability 高的浪涌能力

Mechanical Data 外观信息

- Polarity: Symbol marked on body 极性:标志在产品的本体上
- Mounting position: Any 安装位置: 任何位置

Applications 应用

- General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc.
- 一般应用于交流/直流桥式全波整流,如:开关电源,照明镇流器、适配器等。



Package Outline Dimensions in Inches (Millimeters)

封装外观尺寸单位英寸(毫米)

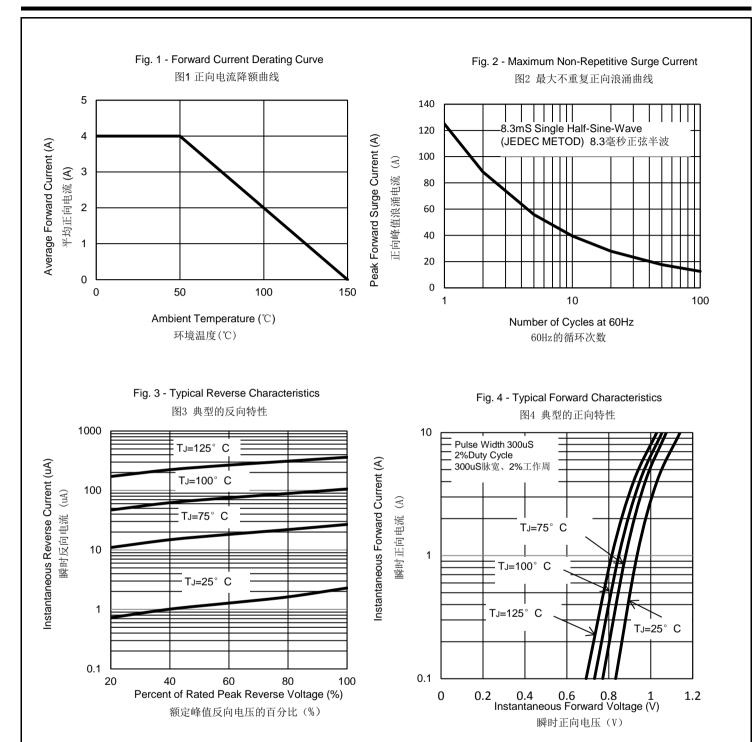
Maximum Ratings and Electrical Characteristics 最大额定值及电气特性

Rating at 25℃ ambient temperature unless otherwise specified. 环境温度25℃,除非特别说明。 Single phase, half wave, 60Hz, resistive or inductive load. 单相半波, 60Hz, 阻性或感性负载。 For capacitive load, derate current by 20%. 对于电容性负载,降低20%的额定电流。

Characteristics	Symbol	KBL	KBL	KBL	KBL	KBL	KBL	KBL	Unit
特性	符号	005G	01G	02G	04G	06G	08G	10G	单位
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
最大重复峰值反向电压									
Maximum RMS Voltage 最大有效反向电压	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage 最大直流阻断电压	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Ta=50 $^{\circ}$ C	Imo	I(AV) 4.0							Α
最大正向平均整流电流	I(AV)	4.0							^
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,									
Superimposed on Rated Load (JEDEC Method) 8.3m5甲一止弦干波登加仕视疋贝蚁上的很湘舵刀(JEDEC万 注)	IFSM	125							Α
I ² t Rating for Fusing (t<8.3mS) 熔断额定值 (t<8.3mS)	l ² t	64.8							A ² s
Peak Forward Voltage per Diode at 4.0A DC	VF	1.1							V
单个二极管在4.0A电流下的正向峰值电压	VF								
Maximum DC Reverse Current at Rated @TJ=25℃		IR 10.0							μA
DC Blocking Voltage per Diode @TJ=150°C	lr								
单个二极管在额定直流电压下的最大反向直流电流	1.0								mA
Operating Junction Temperature Range 结温工作范围	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range 储存温度范围	Tstg	-55 to +150							$^{\circ}$ C
	71/4								

Note: Mounting conditions ,0.5" lead length maximum. 安装条件:引线最长0.5"。







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