

Silicon Bridge Rectifiers 硅桥式整流桥	Reverse Voltage - 50 to 1000 Volts 反向电压 50-1000V Forward Current - 35 Amperes 正向电流 35A
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Features 特征

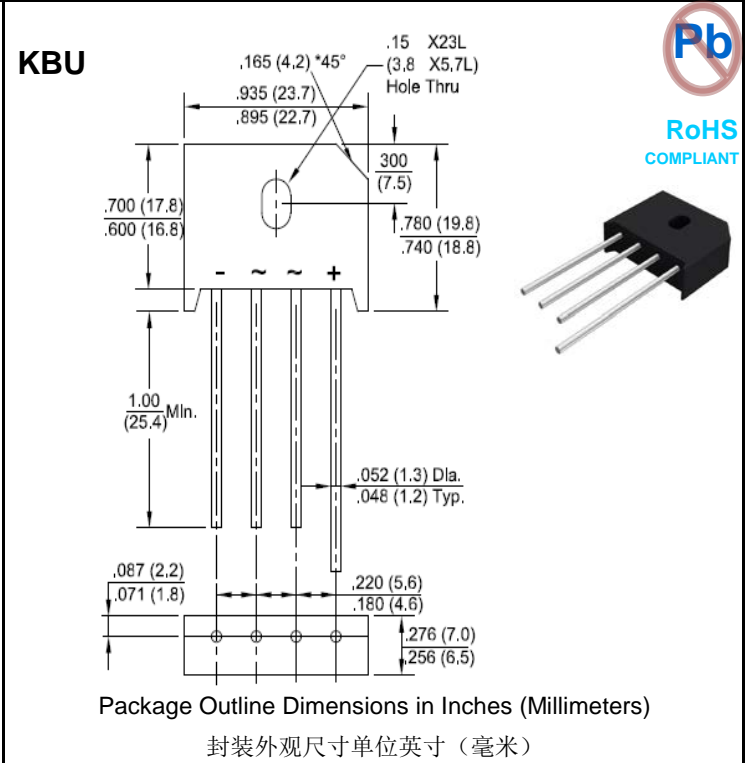
- Low forward voltage drop 正向压降低
- Ideal for printed circuit board 适用于印刷电路板中
- High surge forward current capability 耐正向浪涌电流能力高
- Materials used carries U/L recognition 材料符合UL认证

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。



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

Rating at 25°C ambient temperature unless otherwise specified. 环境温度25°C, 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 特性	Symbol 符号	KBU 35005	KBU 3501	KBU 3502	KBU 3504	KBU 3506	KBU 3508	KBU 3510	Unit 单位
Maximum Repetitive Peak Reverse Voltage 最大重复峰值反向电压	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage 最大有效反向电压	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage 最大直流阻断电压	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (with heatsink Note 最大正向平均整流电流 @ Tc=100°C (without heatsink)	I _(AV)	35.0 4.2							A
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave, Superimposed on Rated Load (JEDEC Method) 8.3mS单一正弦半波叠加在额定负载上的浪涌能力 (JEDEC方法)	I _{FSM}	400							A
I ² t Rating for Fusing (t<8.3mS) 熔断额定值 (t<8.3mS)	I ² t	664.0							A ² s
Peak Forward Voltage per Diode at 17.5A DC 单个二极管在17.5A电流下的正向峰值电压	V _F	1.1							V
Maximum DC Reverse Current at Rated @T _J =25°C DC Blocking Voltage per Diode @T _J =125°C 单个二极管在额定直流电压下的最大反向直流电流	I _R	10 500							μA
Operating Junction Temperature Range 结温工作范围	T _J	-55 to +150							°C
Storage Temperature Range 储存温度范围	T _{STG}	-55 to +150							°C

Note: Device mounted on 100mm*100mm*1.6mm Cu plate heatsink. 安装在100mm*100mm*1.6mm铜板的散热片上

KBU35*-B-00-00
Rev. 8, 19-Jul-2017

Fig. 1 - Forward Current Derating Curve

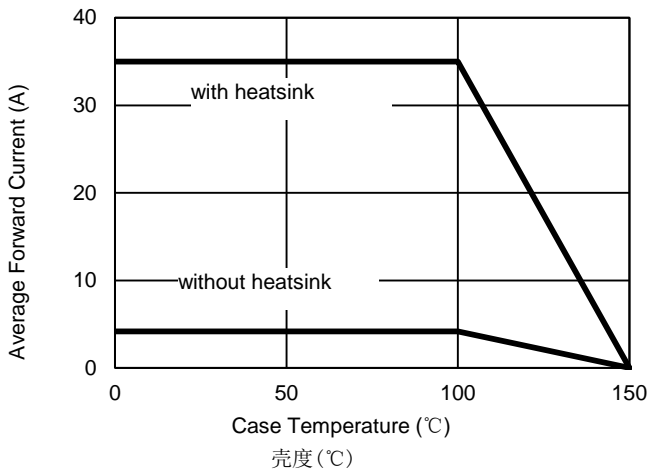


Fig. 2 - Maximum Non-Repetitive Surge Current

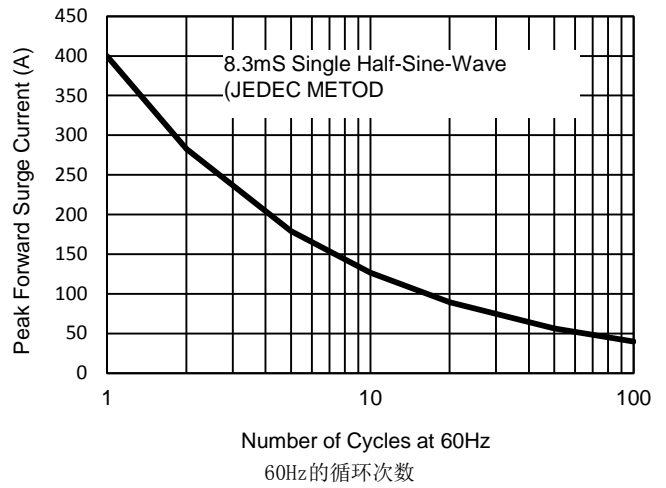


Fig. 3 - Typical Reverse Characteristics

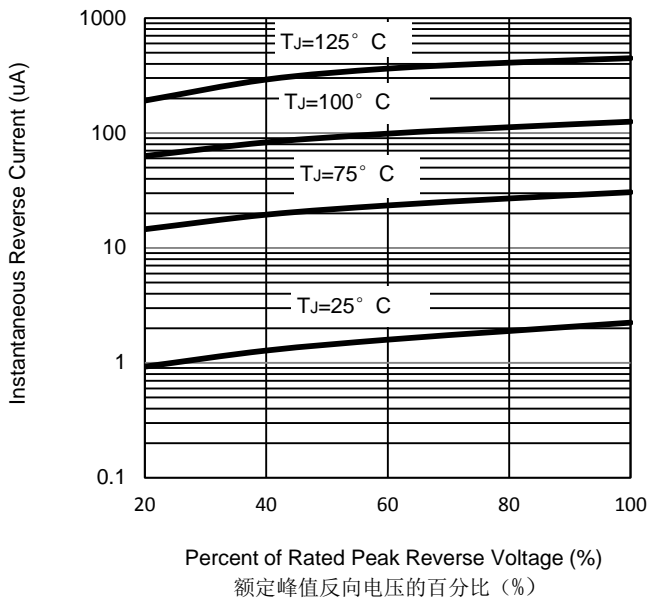
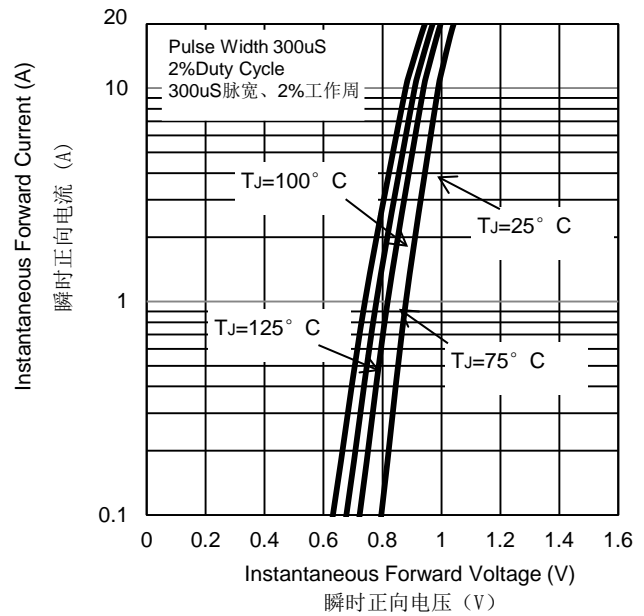


Fig. 4 - Typical Forward Characteristics

图4 典型的正向特性



The curve above is for reference only. 曲线图仅供参考。



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