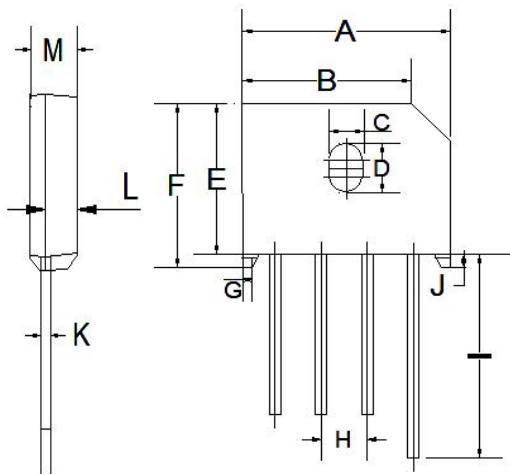


4A Glass Passivated Single-Phase Bridge Rectifier

特征/Features	外形尺寸/Outline Dimensions			
◆ GPP芯片 Glass passivated chip ◆ 低反向漏电流 Low Reverse Leakage Current ◆ 高耐浪涌电流能力 High surge current capability ◆ 接线端与壳体间绝缘耐压2500V Case to Terminal Isolation Voltage 2500V	Case: KBU Series Dimensions in millimeters 	序号	Min(mm)	MAX(mm)
		A	22.7	23.3
		B	18	18.6
		C	3.6	3.9
		D	5.7	5.9
E		17.2	17.8	
F		18.7	19.3	
G		0.8	1.2	
H		4.9	5.4	
I		24.9	25.5	
J		1.3	1.7	
K		1.2	1.3	
L		4.6	4.9	
M		6.6	6.9	
机械参数/Machanical Data				
◆ 本体：塑封 Case: plastic package ◆ 标识/极性：本体标记 Marking / Polarity: Marked on Body ◆ 重量：约克 Weight: About 6.66 rams				

极限值/Maximum Ratings and Thermal Characteristics @ Ta = 25°C unless otherwise noted

符号 Symbol	特性 Characteristic	KBU4							单位 Unit
		005	01	02	04	06	08	10	
V _{RRM}	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
I _F (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta=120°C	4							A
V _F	正向峰值电压 Forward Voltage Per Leg @I _{FM} =4.0A	0.98							V
I _{FSM}	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	160							A
I _R	反向漏电流 Maximum DC reverse current at rated Ta = 25°C DC blocking voltage per leg Ta = 125°C	5 500							uA
i ² t	热容值 Rating for fusing (t<8.3ms)	106							A ² S
V _{isol}	绝缘耐压 Rms isolation voltage from case to leads	2500							V
C _J	典型结电容 Typical Junction Capacitance	42							pF
R _{θJC}	热阻 Maximum thermal resistance per leg	4.2							°C/W
T _j , T _{STG}	结温， 存储条件 Operating Junction and storage temperature range	-55~150							°C

Note:

- (1) Junction to case with heatsink
- (2) Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M3 screw .

4A Glass Passivated Single-Phase Bridge Rectifier

◆ 特性曲线 (典型) Characteristics(Typical)

Fig 1-forwardCurrent derating Curve

图1正向电流降额曲线

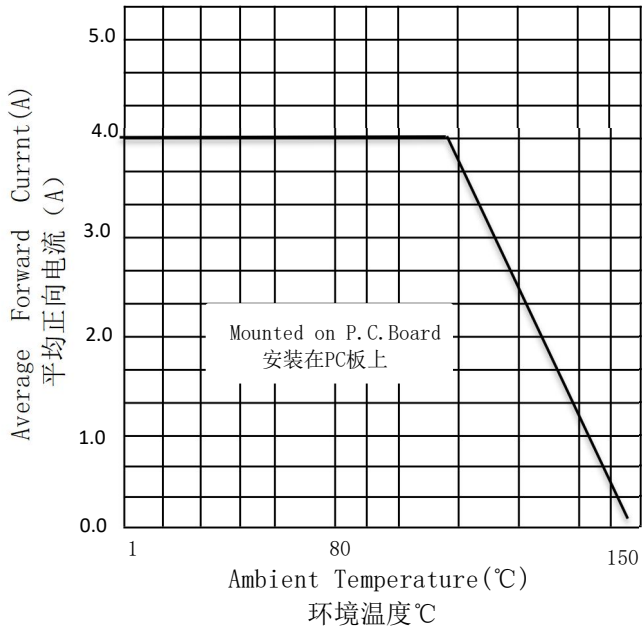


Fig.2-Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

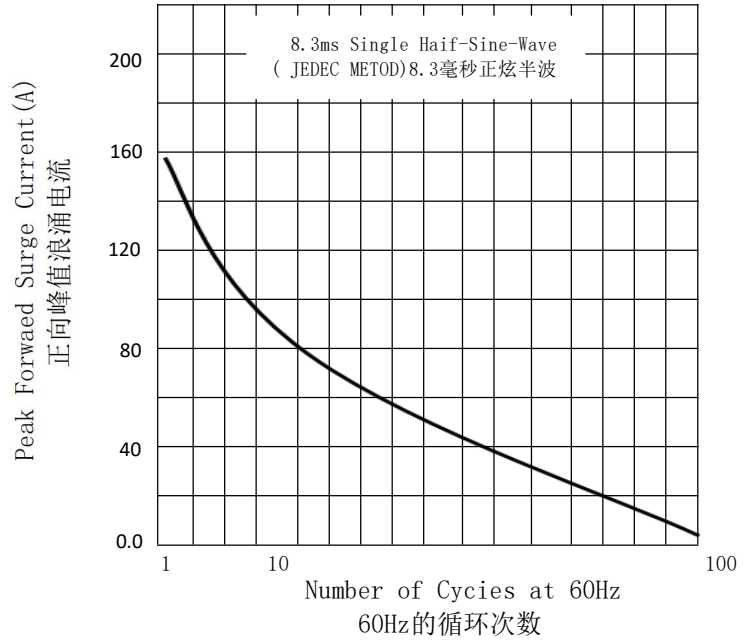


Fig.3-Typical Reverse Characteristics

图3. 典型的反向特性

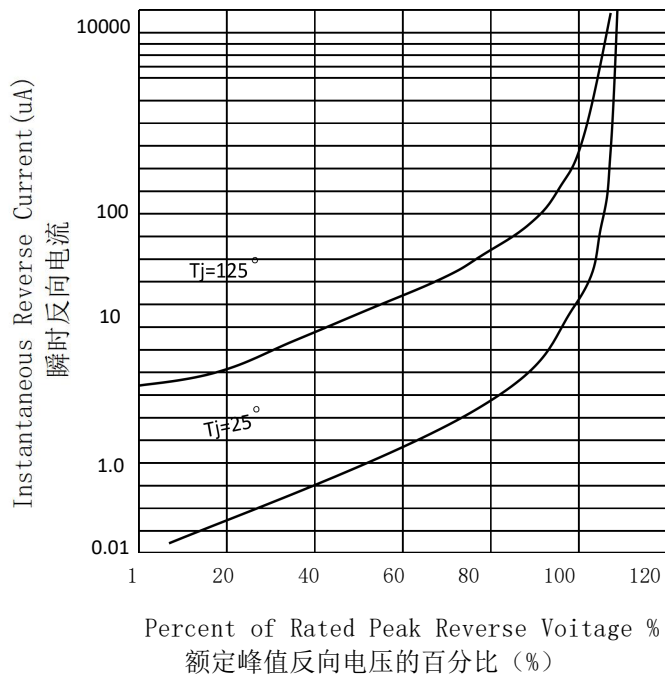


Fig.4-Typical Forward Characteristics

图4. 典型的正向特性

