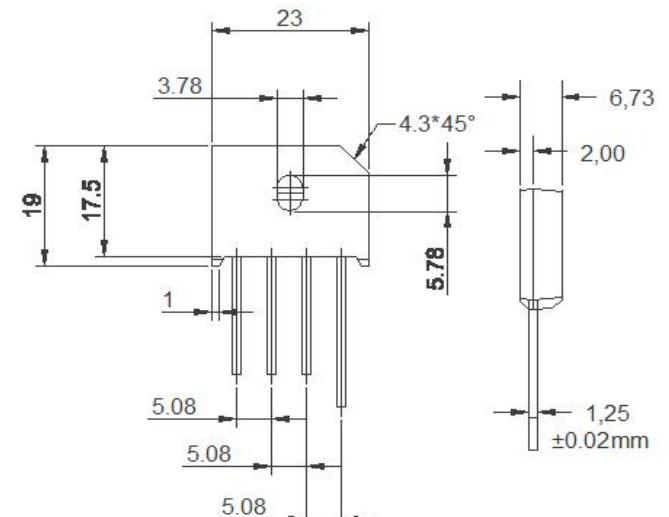


6A Glass Passivated Single-Phase Bridge Rectifier

<p>特征/Features</p> <ul style="list-style-type: none"> ◆ 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 	<p>外形尺寸/Outline Dimensions</p> <p>Case: KBU Series Dimensions in millimeters</p> 
<p>机械参数/Machanical Data</p> <ul style="list-style-type: none"> ◆ 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 grams ◆ Marking: KBU6A-KBU6M 	

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

符号 Symbol	特性 Characteristic	KBU6							单位 Unit
		A	B	D	G	J	K	M	
VRRM	最大反向重复峰值电压 Maxmum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
IF (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta =85°C	6							A
VF	正向峰值电压 Forward Voltage Per Leg @IFM =6.0A	1.1							V
IFSM	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	160							A
IR	反向漏电流 Maximum DC reverse current at rated DC blocking voltage per leg	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
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 .

6A Glass Passivated Single-Phase Bridge Rectifier

■ 特性曲线 (典型) **Characteristics(Typical)**

Fig 1-forward Current derating Curve
图1正向电流降额曲线

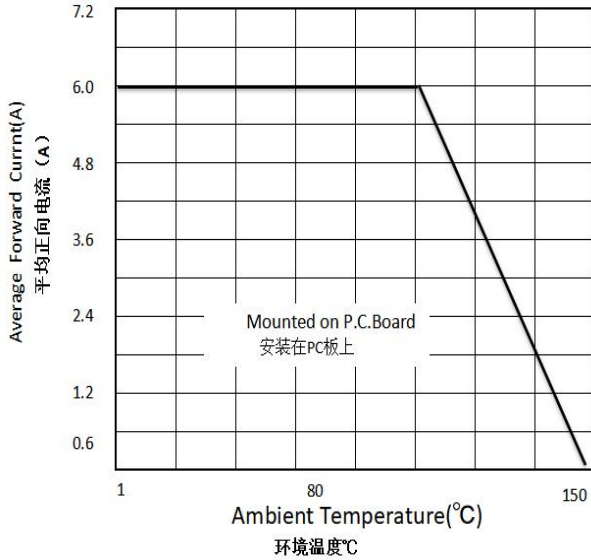


Fig.2-Maximum Non-Repetitive Surge Current
图2最大不重复正向浪涌曲线

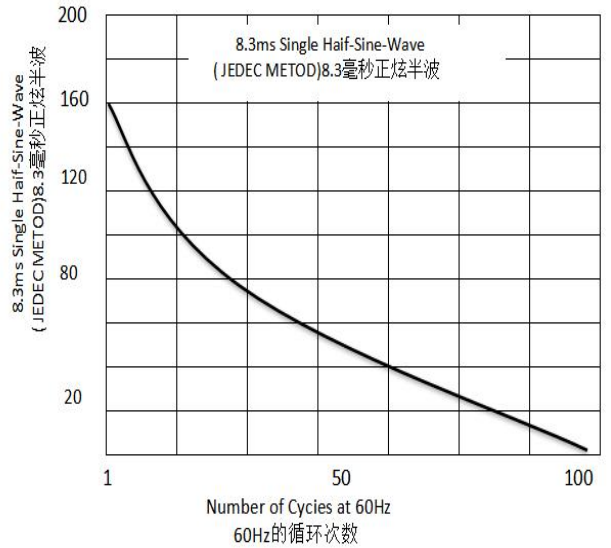


FIG3.Typical Reverse Characteristics

图 3. 典型反向特性

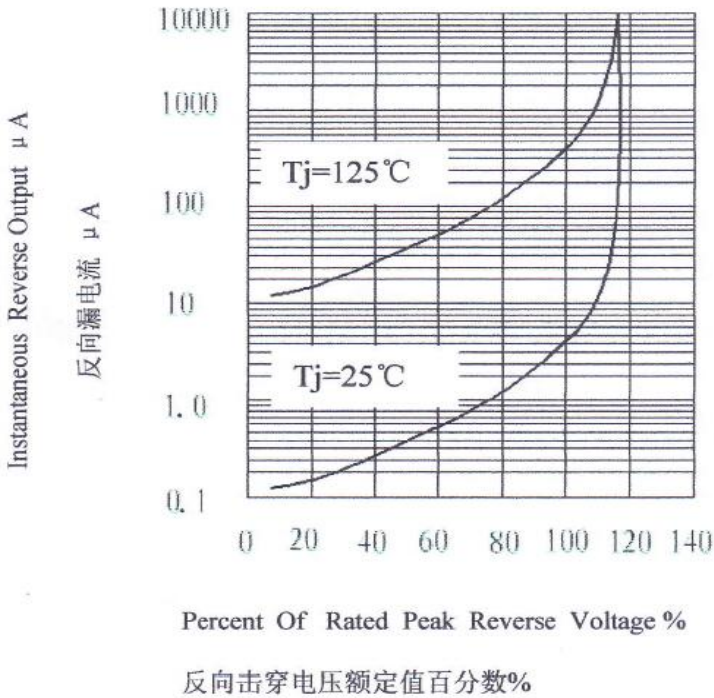


FIG4.Instantaneous Forward Voltage

图 4. 典型正向特性

