

# 产品规格书

品名：SGBL8\*\*系列整流全桥

NAME : SGBL8\*\* SERIES BRIDGE RECTIFIER

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拟制 Prepared by	审核 Edited by	核准 Approved by

客户确认

8A Glass Passivated Single-Phase Bridge Rectifier

特征 / Features	外形尺寸/Outline Dimensions
玻璃钝化芯片 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 UL档案编号：E249161 Recognized File # E249161 符合RoHS	<b>Case: SGBL</b> 
机械参数 / Mechanical Data	
本体：塑封 Case: Molded plastic case 标识/极性：本体标记 Marking / Polarity: Marked on Body 重量：约2.3克 Weight: About 2.3 grams	

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

符号 Symbol	特性 Characteristic	SGBL8**							单位 Unit
		01	02	04	06	08	10	12	
VRRM	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	100	200	400	600	800	1000	1200	V
IF (AV)	平均整流输出电流 Average Forward Output Rectified Current 50HZ 正弦波阻性负载 50HZ Sine wave Resistance load	Tc=100°C		8.0					A
		Ta =80°C		3.6					
VF	正向峰值电压 Forward Voltage Per Leg @IFM =4A	1.0							V
IFSM	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	240							A
IR	反向漏电流 Maximum DC reverse current at rated Ta =25°C DC blocking voltage per leg Ta = 125°C	5.0							uA
		500							
i <sup>2</sup> t	热容值 Rating for fusing (t<8.3ms)	239							A <sup>2</sup> S
Visol	绝缘耐压 Rms isolation voltage from case to leads	2500							V
RθJA RθJC	热阻 Maximum thermal resistance per leg	22.0 <sup>(1)</sup>							°C/ W
		5.0 <sup>(2)</sup>							
Tj, TSTG	结温，存储条件 Operating Junction and storage temperature range	-55 ~ +150							°C

Note:  
 (1) Junction to ambient without heatsink  
 (2) Junction to case with heatsink

特性曲线 / Characteristics Curves

FIG.1 . IF-Tc Curve  
图 1. 电流降额曲线

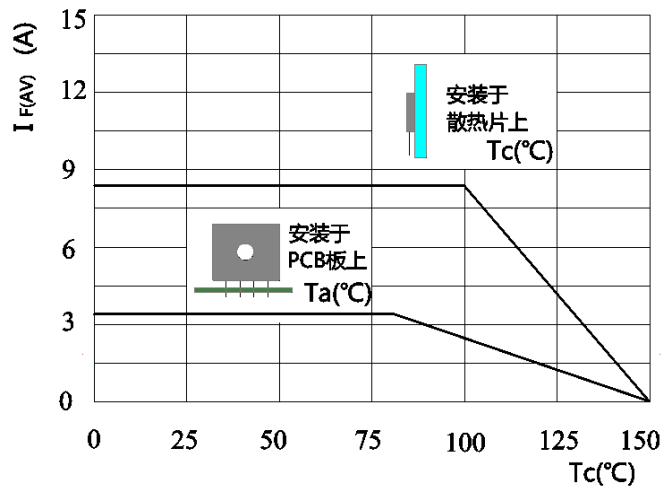


FIG.2 . Surge Forward Current Capability  
图 2. 最大正向不重复峰值浪涌电流

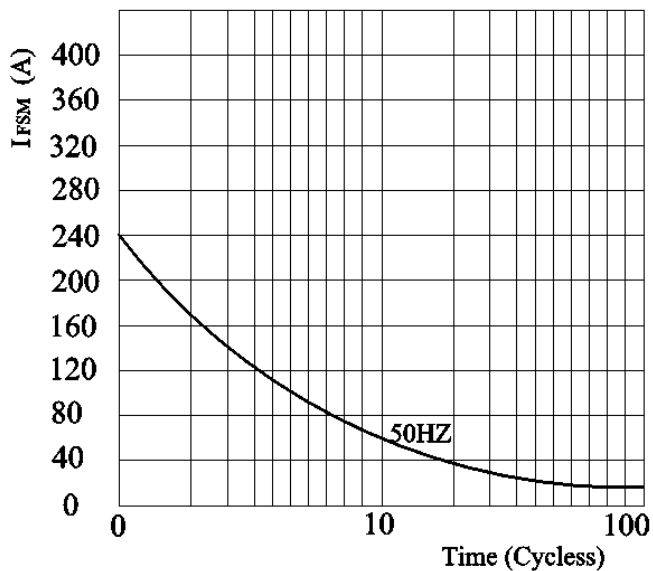


FIG3. Typical Reverse Characteristics  
图 3. 典型反向特性

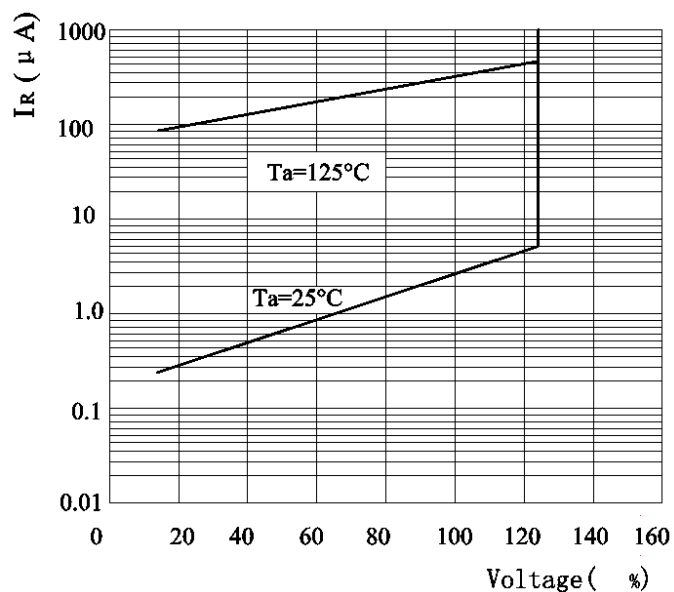
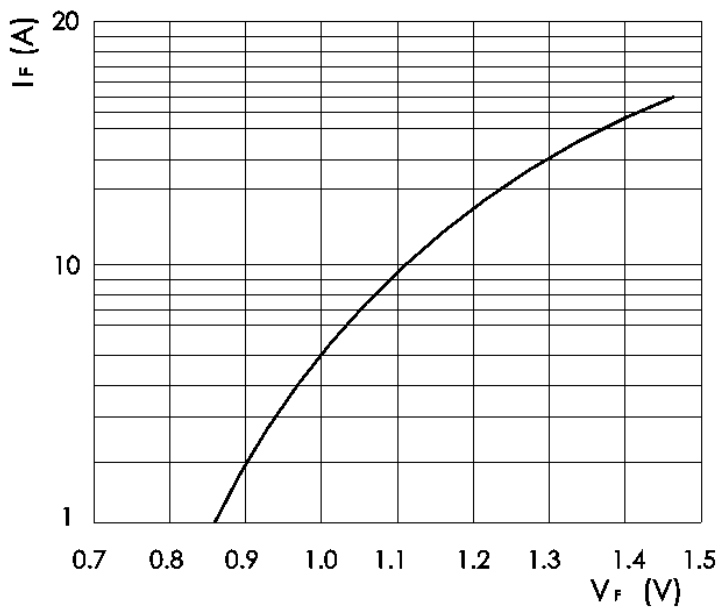


FIG4. Instantaneous Forward Voltage  
图 4. 典型正向特性



## 变更履历

序号	变更内容	更改原因	变更人	更改时间
1	新增	新增	崔伟	2016-3-25