

整流桥产品规格书

Product Specification of Bridge Rectifiers

客户名称 CUSTOMER: _____

产品型号 PRODUCT P.N.: _____ DB151~DB157

产品描述 DESCRIPTION: _____ 玻璃钝化芯片整流桥

_____ Glass Passivated Bridge Rectifier

_____ 1.5A/50V~1000V

规格拟制 APPLICATION BY: _____ 陈瀚裕 ChenHanYu

审核批准 APPROVED BY: _____ 徐海洪 Jason.Xu

物料编码 MATERIAL CODE: _____

客户确认(Customer Approval)		
主管(Chief)	工程师(Engineer)	采购(Purchaser)

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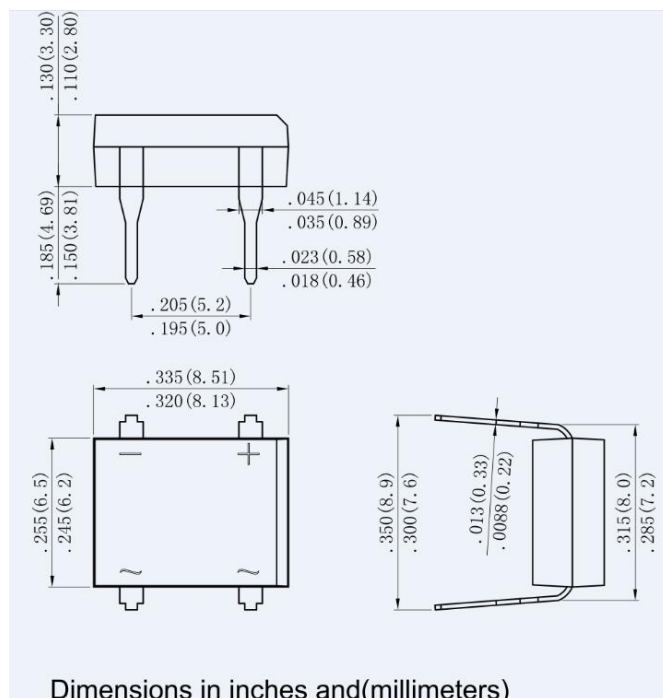
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产品特性描述 Features

- 环氧树脂封装材料符合美国 UL 实验室材料可燃性分类的 94V-0 标准
Epoxy Resin material compliant with 94V-0 standards of UL Material Flammability Provisions
- 产品符合 RoHS 要求
Compliant with RoHS Provisions
- 低正向电压, 大正向电流通过能力
Low forward voltage, high forward current
- 高浪涌电流通过能力
High forward surge current capability
- 小外型封装,高导热性能
Small packaging, high heat-conducting performance
- 高温焊接性能: 260℃/10 秒
Thermal welding performance: 260℃/10s



产品适用范围 Applications

- 开关电源 Power supply control PCB
- 家用电器,办公设备 Home Appliances, Office Devices
- 工业自动化设备 Industrial Auto-equipments

最大额定值及电气特性（除非特别标定条件,否则为环境温度 25℃，单相半波 60Hz 阻性负载，容性负载降额 20%）

Max. rated values & electric characteristics (Conditions (Unless otherwise specified): Ambient Temperature:25℃ , resistive loading with single phase 60Hz half-wave, 20% capacitive load derating .)

参数描述 Specifications		Symbol	DB151	DB152	DB153	DB154	DB155	DB156	DB157	Unit
最大反向击穿电压 Maximum repetitive peak reverse voltage		VRM	50	100	200	400	600	800	1000	V
贮存温度 Storage Temperature		Tstg	-55~150							℃
结温 Operating Junction Temperature		TJ	150							℃
最大瞬时正向电压(条件:IF=1.5A) Maximum average forward current (IF=1.5A)		VF	1.10							V
在额定击穿电压下的最大反向漏电流 Maximum DC reverse current at rated DC blocking voltage per diode	TA=25℃	IR	5							μA
	TA=125℃		100							
平均正向整流电流 Forward Rectifying Current	Ta=25℃	IO	1.5							A
最大正向浪涌电流 8.3ms 脉冲宽度,单脉冲正弦波,额定负载 Peak forward surge current 8.3ms single sine-wave superimposed on rated load,Tj=25℃		IFSM	35							A
规定条件下的热阻 Thermal Resistance	PN 结和引线之间 Junction to lead wire	RθJL	15							℃/W
	PN 结和环境之间 Junction to ambient	RθJA	68							

特性曲线 Characteristic Curve

图 1 电流降额曲线
Fig.1: Derating Curve

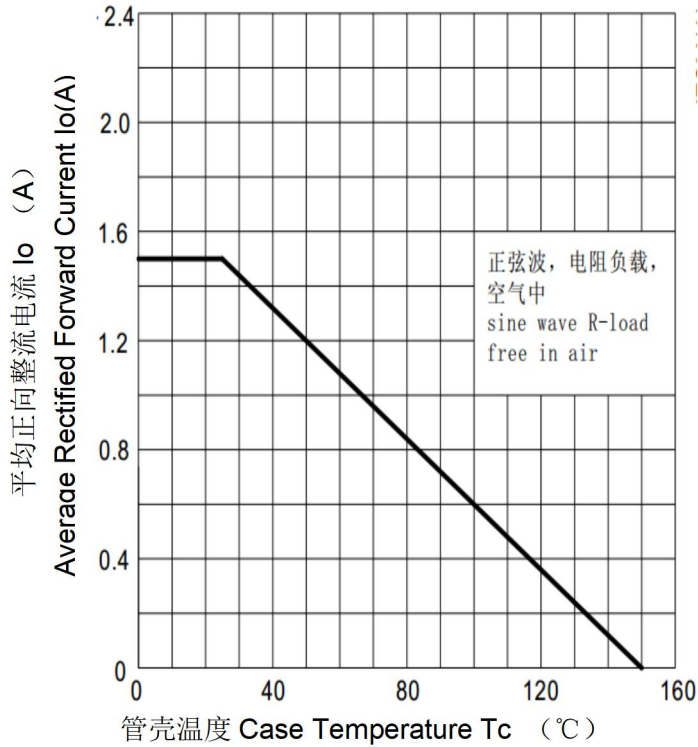


图 2 标准反向特性曲线
Fig.2 Typical Reverse Characteristics

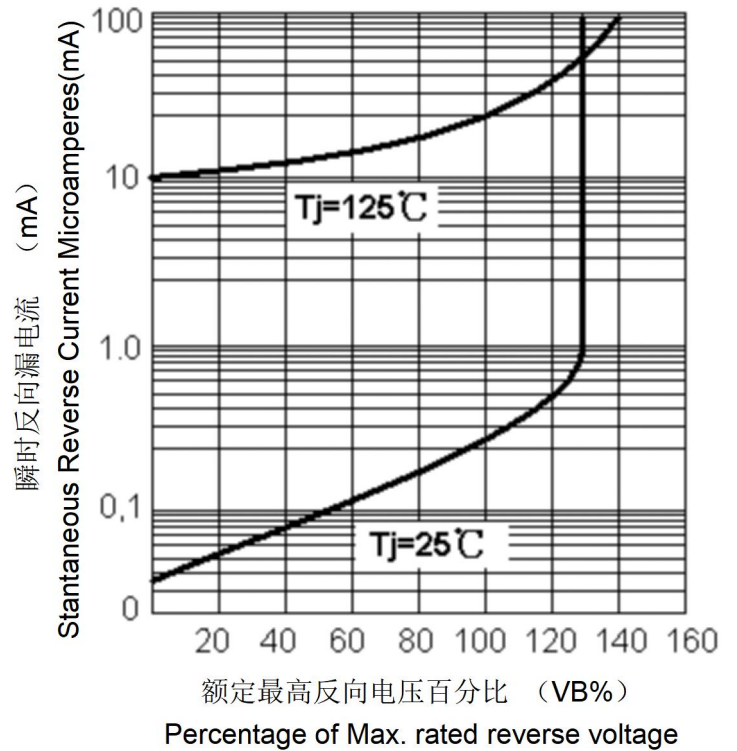


图 3 最大浪涌电流曲线
Fig.3: Forward Surge Current

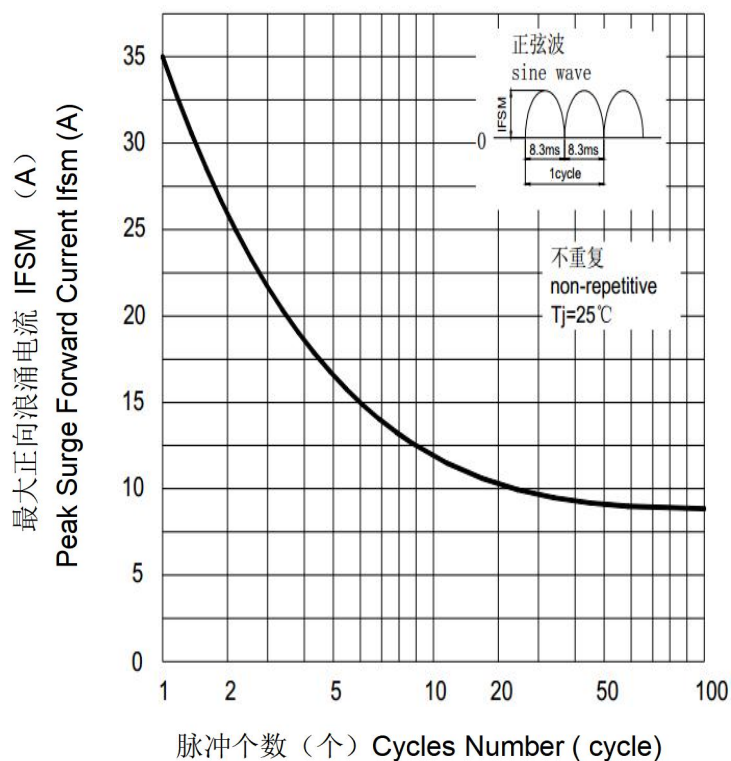


图 4 额定正向特性曲线
Fig.4: Derating Curve

