

塑封高压二极管

反向电压 6 KV

正向电流 5mA

Plastic High Voltage Rectifier

Reverse Voltage 6KV

Forward Current 5mA



特征 Features

- $I_{F(AV)}$ 5 mA
- V_{RRM} 6 KV
- 高可靠性 High reliability

用途 Purpose

适用于电子设备中作高压整流用

For high voltage rectification for electronic products

绝对最大数值

Absolute Maximum Ratings

序号 No.	项目 Item	符号 Symbol	单位 Unit	数值 Rating	条件 Conditions
1	反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	KV	6	
2	反向不重复峰值电压 Non-Repetitive Peak Reverse Voltage	V_{RSM}	KV	8	
3	正向平均电流 Average Forward Current	$I_{F(AV)}$	mA	5	50HZ 正弦半波平均值, ($T_{amb}=50^{\circ}C$) 50HZ Sine-half Wave Rectification Average Value ($T_{amb}=50^{\circ}C$)
4	正向(不重复)浪涌电流 Non-Repetitive Forward Surge Current	I_{FSM}	A	0.5	50HZ 10ms 正弦半波 ($T_{amb}=25^{\circ}C$) 50HZ 10ms Sine-half Wave, ($T_{amb}=25^{\circ}C$)
5	工作环境温度 Ambient Temperature	T_{amb}	$^{\circ}C$	-40~+100	
6	最高结温 Maximum Junction Temperature	$T_{(VJ)}$	$^{\circ}C$	120	
7	贮存温度 Storage Temperature	T_{stg}	$^{\circ}C$	-40~+120	

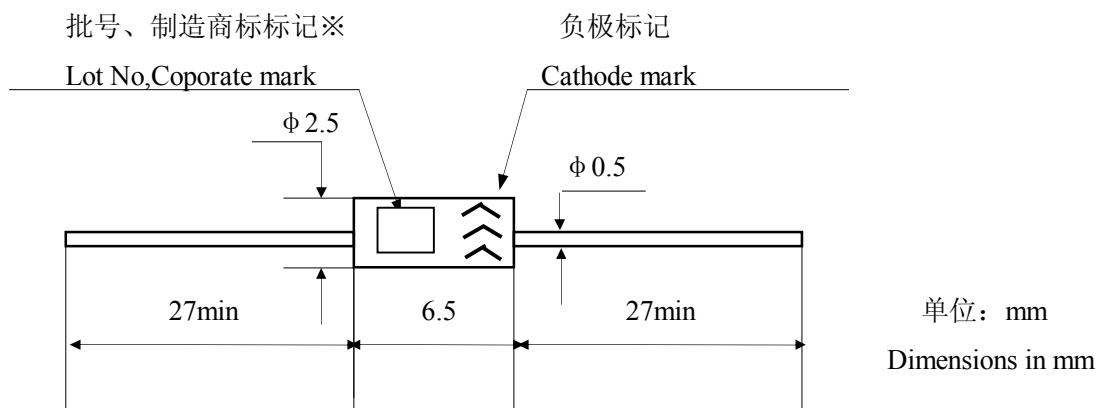
电特性(除非另有规定, $T_{amb}=25^{\circ}C$)

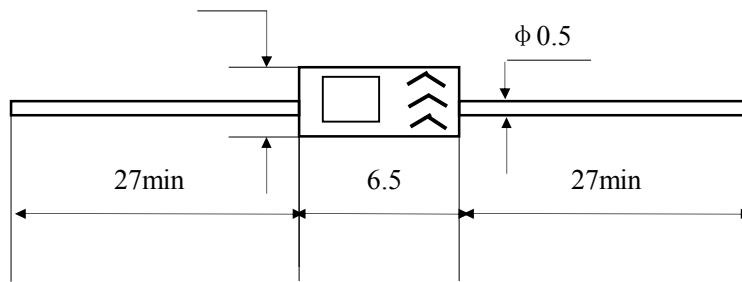
Electrical Characteristics($T_{amb}=25^{\circ}C$, unless otherwise specified)

序号 NO.	项目 Item	符号 Symbol	单位 Unit	数值 Rating	测试条件 Test conditions
1	正向压降 Forward Voltage Drop	V_{FM}	V	20.0max	$I_{FM}=10mA$
2	常温反向漏电流 Normal Temperature Reverse Current	I_{RM1}	μA	2max	$V_{RM}=6KV$
3	高温反向漏电流 High Temperature Reverse Current	I_{RM2}	μA	5max	$T_{amb}=100^{\circ}C$ $V_{RM}=6KV$
4	结电容 Junction Capacitance	C_j	pF	1max	1MHZ, $V_B=0V$
5	反向恢复时间 Reverse Recovery Time	trr	μS	0.1 max	$I_F=2mA, I_{RM}=4 mA$ 脉冲前沿小于 $0.01 \mu S$ Fore edge of pulse less than $0.01 \mu s$

外形尺寸及标识

Dimensions and Marking

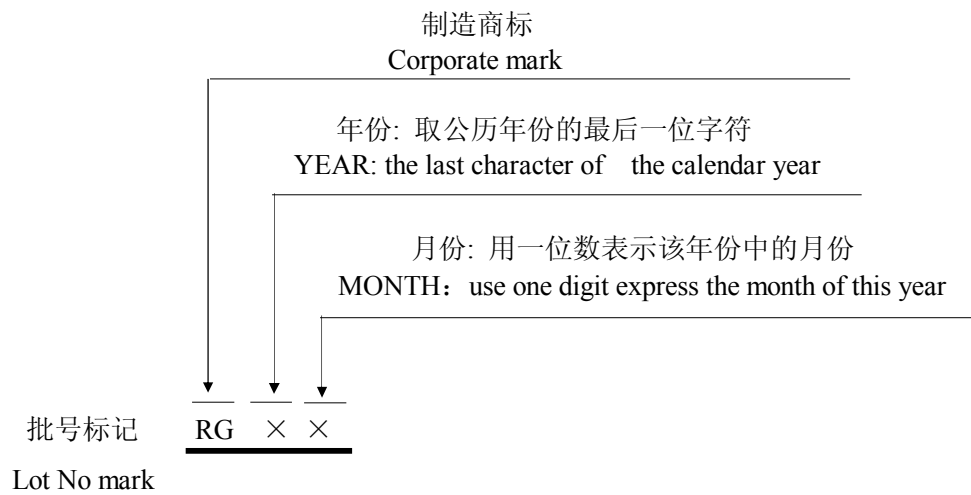




单位: mm
Dimensions in mm

※批号、制造商标标记:

Type name ,Lot NO. Corporate mark



月份 Month	1	2	3	4	5	6	7	8	9	10	11	12
标志 Mark	1	2	3	4	5	6	7	8	9	0	N	D

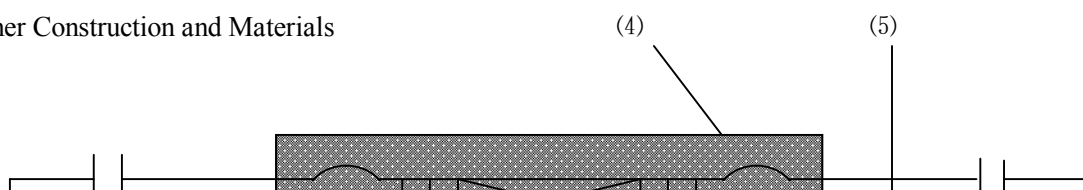
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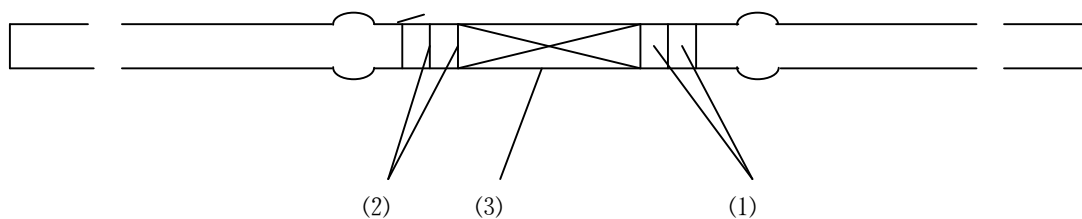
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 南通皋鑫电子股份有限公司
 NANTONG GAOXIN ELECTRONICS CO., LTD

9.2 内部结构和材料

Inner Construction and Materials





NO	部 件 名 Part name	材料名称和型号 Material and type name	备注 Note
(1)	二极管芯片 Diode chip	N 型硅 N-type Silicon	台面型 Mesa Type
(2)	连接材料 Contact Materials	铅锡焊料 Pb-Sn Solder	
(3)	表面钝化 Surface Passivation	JRC 涂布树脂 JRC Coating Resin	刚性型 Rigid Type
(4)	封装材料 Molding Material	UL94V-0 环氧树脂 Epoxy Resin (UL 94V-0)	
(5)	引 线 Lead wire	镀锡铜线 Sn Plated Cu wire	