

## 塑封高压二极管

反向电压 15KV

正向电流 100mA

## Plastic High Voltage Rectifier

Reverse Voltage 15KV

Forward Current 100mA



### 特征 Features

- $I_{F(AV)}$  100 mA
- $V_{RRM}$  15 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	15	
2	正向平均电流* Average Forward Current	$I_{F(AV)}$	mA	100	50HZ 正弦半波平均值, $T_{amb}=60^{\circ}C$ 50HZ Sine-half Wave Rectification Average Value
3	正向浪涌电流 Forward Surge Current	$I_{FSM}$	A	15	50HZ 正弦半波一次, $T_{amb}=25^{\circ}C$ 50HZ Sine-half Wave, One Shot
4	最高结温 Maximum Junction Temperature	$T_{jmax}$	$^{\circ}C$	130	
5	贮存温度 Storage Temperature	$T_{stg}$	$^{\circ}C$	-40~+130	

\* 相对于环境温度的关系见图 1 \* Derating for ambient temperature shall be as per Fig.1

为了散热,负极端应用螺丝钉安装在不少于 50mm×50mm,厚度 0.6 mm 的散热器上,冷却风速度不低于 0.5m/s.

For heat radiation ,a cathode terminal shall be fixed by a screw on a fin of 0.6 mm in thickness and 50mm×50mm of dimension or larger and wind cooling shall be made at the wind velocity of 0.5m/s or higher.

电特性(除非另有规定,  $T_{amb}=25^{\circ}\text{C}$ ) Electrical Characteristics( $T_{amb}=25^{\circ}\text{C}$ , unless otherwise specified)

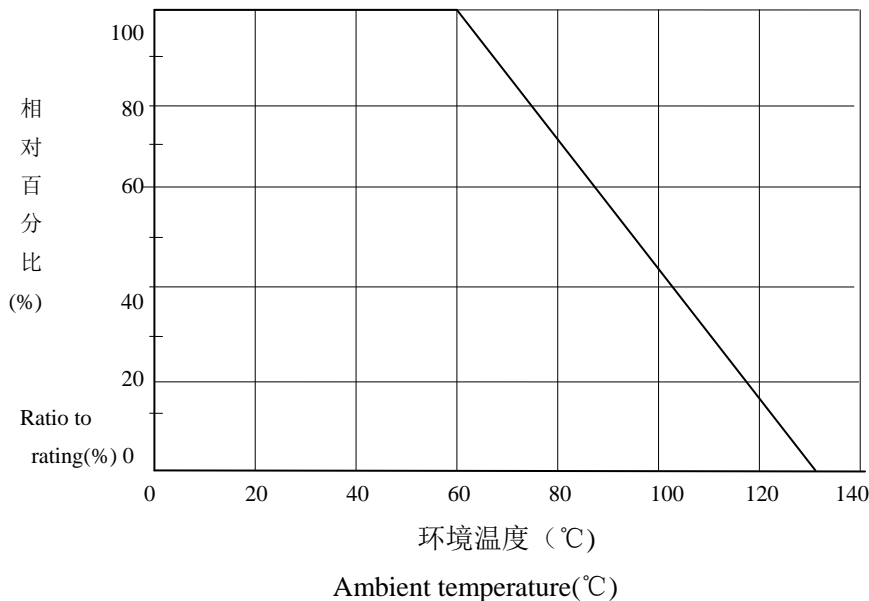
序号 NO.	项目 Item	符号 Symbol	单位 Unit	数值 Rating	测试条件 Test conditions
1	正向压降 Forward Voltage Drop	$V_{FM}$	V	35max	$I_{F(AV)}=100\text{mA}$
2	常温反向漏电流 Normal Temperature Reverse Current	$I_{RM1}$	$\mu\text{A}$	5max	$V_{RM}=15\text{KV}$
3	高温反向漏电流 High Temperature Reverse Current	$I_{RM2}$	$\mu\text{A}$	50max	$T_{amb}=100^{\circ}\text{C}$ $V_{RM}=15\text{KV}$
4	反向击穿电压 Reverse Breakdown Voltage	$V_Z$	KV	18min	$I_R=100\mu\text{A}$
5	反向恢复时间 Reverse Recovery Time	trr	$\mu\text{S}$	0.15 max	$I_F=2\text{mA}$ , $I_R=4\text{mA}$ .

图 1. 正向电流与环境温度的关系

Fig1. Derating of forward current for ambient temperature

[在规定的阴极散热器和空气冷却(流速)条件下]

(On condition of provision of a fin on cathode side and air cooling)



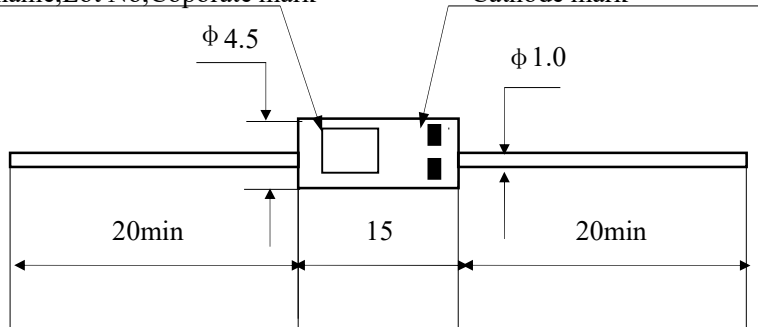
外形尺寸及标识 Dimensions and Marking

型号、批号、制造商标记※

负极标记

Type name, Lot No, Coporate mark

Cathode mark



单位: mm

Dimensions in mm