

塑封高压二极管

反向电压 8 KV

正向电流 350mA

Reverse Voltage 8KV
Forward Current 350mA



特征 Features

- $I_{F(AV)}$ 350 mA
- V_{RRM} 8 KV
- 高可靠性 High reliability

用途 Purpose

适用于“变频微波炉”高压整流
For high voltage rectification for
MWO of frequency conversion

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	8.0	
2	正向平均电流* Average Forward Current	$I_{F(AV)}$	mA	350	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	反向浪涌电流 Reverse Surge Current	I_{RSM}	A	0.1	脉冲宽度 1ms 三角单波脉冲 width 1ms triangle wave single pulse
5	最高结温 Maximum Junction Temperature	T_{jmax}	$^{\circ}C$	130	
6	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, $T_{amb}=25^{\circ}C$)

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

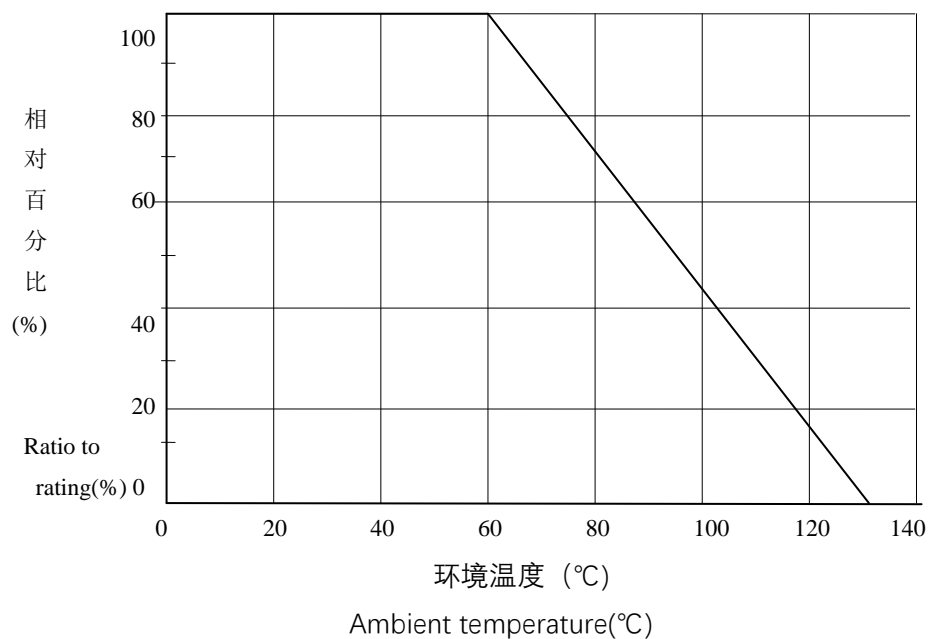
序号 NO.	项目 Item	符号 Symbol	单位 Unit	数值 Rating	测试条件 Test conditions
1	正向压降 Forward Voltage Drop	V_{FM}	V	13max	$I_{F(AV)}=350mA$
2	常温反向漏电流 Normal Temperature Reverse Current	I_{RM1}	μA	5max	$V_{RM}=8KV$
3	高温反向漏电流 High Temperature Reverse Current	I_{RM2}	μA	50max	$T_{amb}=100^{\circ}C$ $V_{RM}=8KV$
4	反向击穿电压 Reverse Breakdown Voltage	V_Z	KV	8.5~12	$I_R=100\mu A$
5	反向恢复时间 Reverse Recovery Time	trr	μS	0.15 max	$I_F=I_R=100mA$, 90% 值 90% Value.

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

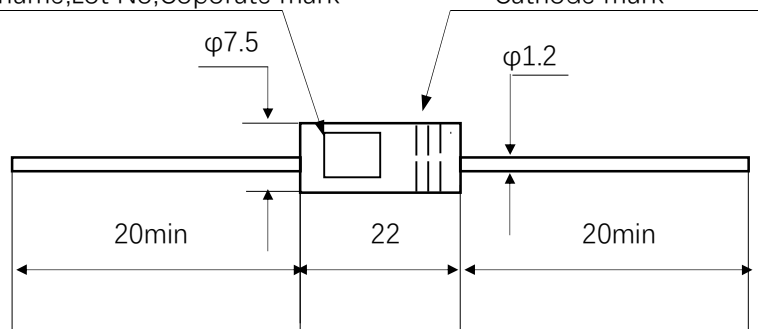
Dimensions and Marking

型号、批号、制造商标记※

负极标记

Type name, Lot No, Corporate mark

Cathode mark



单位: mm
Dimensions in mm