

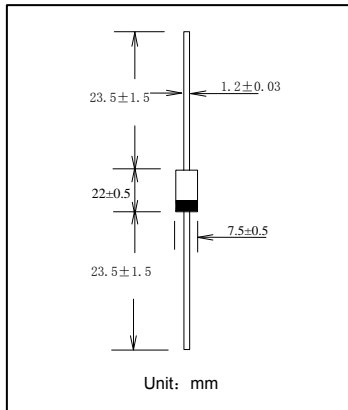


塑封高压二极管

反向电压 12KV
正向电流 I_F 10mA

Plastic High Voltage Rectifier

Reverse Voltage 12KV
Forward Current I_F 10mA



特征 Features

- $I_{F(AV)}$ 10 mA
- V_{RRM} 12KV
- 高可靠性 High reliability

用途 Purpose

- 微波炉及其他电子设备高压电源整流用
Rectification for high voltage power supply of magnetron in Micro wave oven and others

极限值和温度特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	CL04-12	单位 Unit
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	12	KV
正向平均电流 Average Forward Current	$I_{F(AV)}$	450	mA
正向（不重复）浪涌电流 Non-Repetitive Forward Surge Current	I_{FSM}	30	A
工作环境温度 Ambient Temperature	T_{amb}	-40 --- +100	$^\circ\text{C}$
最高结温 Maximum Junction Temperature	$T_{(vj)}$	130	$^\circ\text{C}$
贮存温度 Storage Temperature	T_{stg}	-40 --- +130	$^\circ\text{C}$

电特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

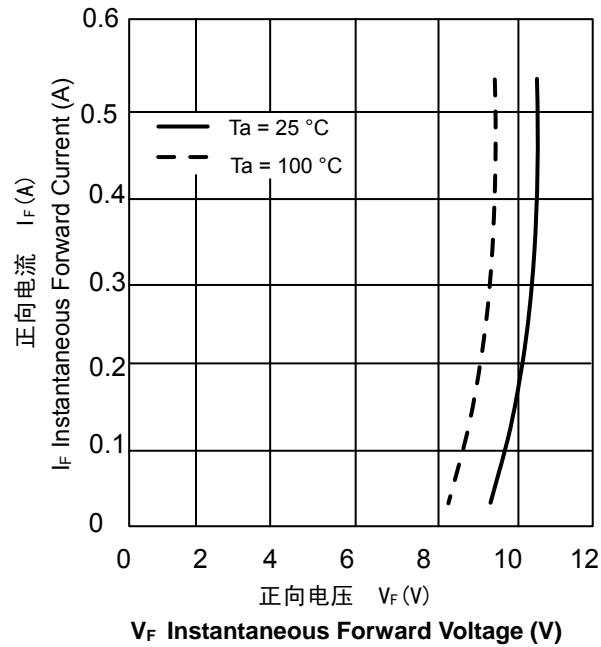
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	CL04-12	单位 Unit
正向压降 Forward Voltage Drop $I_F = 450\text{mA}$	V_F	12	V
最大反向漏电流 Temperature Reverse Current $T_A = 25^\circ\text{C}$	I_{RM1}	5	μA
高温反向漏电流 High Temperature Reverse Current $T_A = 100^\circ\text{C}$	I_{RM2}	50	μA



特性曲线 Characteristic Curves

正向特性曲线
TYPICAL FORWARD CHARACTERISTIC



反向特性曲线
REVERSE CHARACTERISTIC [VR-IR]

