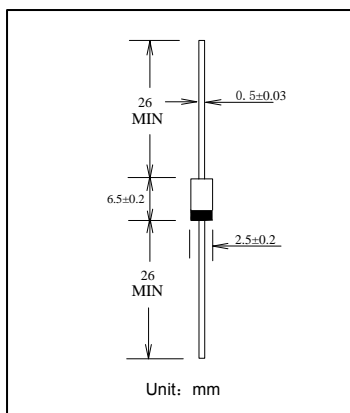


**塑封快恢复高压二极管**反向电压 4KV  
正向电流 5mA**Plastic Fast Recover High Voltage Rectifier**Reverse Voltage 4KV  
Forward Current 5mA**特征 Features**

- 适用于高稳定显示器或电视接收机及办公类自动化设备  
For high resolution displays or TV receivers and Working automation equipment
- 扩散结  
Diffused-junction
- 具有良好的高温输出特性  
Excellent high temperature output characteristics  
(Small leakage current at high temperature and excellent reverse characteristics)

**极限值和温度特性** TA = 25°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	2CL04	单位 Unit
反向重复峰值电压 Repetitive Peak Reverse Voltage	$V_{RRM}$	4	KV
正向平均电流 Average Forward Current	$I_{F(AV)}$	5 (正弦半波50HZ, 电阻负载Ta=25°C) (50HZ half-sine wave, Resistance load Ta=25°C)	mA
正向(不重复)浪涌电流 Non-Repetitive Forward Surge Current	$I_{FSM}$	0.5 (正弦半波50HZ, 1/2周期, Ta=25°C) (50HZ half-sine wave, 1/2 cycle, Ta = 25°C)	A
工作环境温度 Ambient Temperature	$T_{amb}$	-40 --- +100	°C
最高结温 Maximum Junction Temperature	$T_{(vj)}$	120	°C
贮存温度 Storage Temperature	$T_{stg}$	-40 --- +120	°C

**电特性** TA = 25°C 除非另有规定。**Electrical Characteristics** Ratings at 25°C ambient temperature unless otherwise specified.

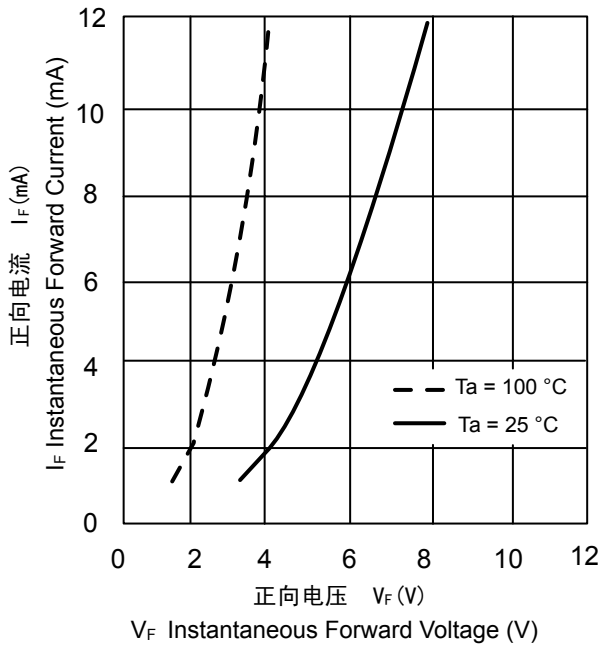
参数名称 Item	符号 Symbol	2CL04	单位 Unit
正向压降 Forward Voltage Drop	$V_F$	15	V
常温反向漏电流 Normal Temperature Reverse Current	$I_{RM1}$	2	μA
高温反向漏电流 High Temperature Reverse Current	$I_{RM2}$	5	μA
反向恢复时间 Reverse Recovery Time	$t_{rr}$	100	nS



# 特性曲线 Characteristic Curves

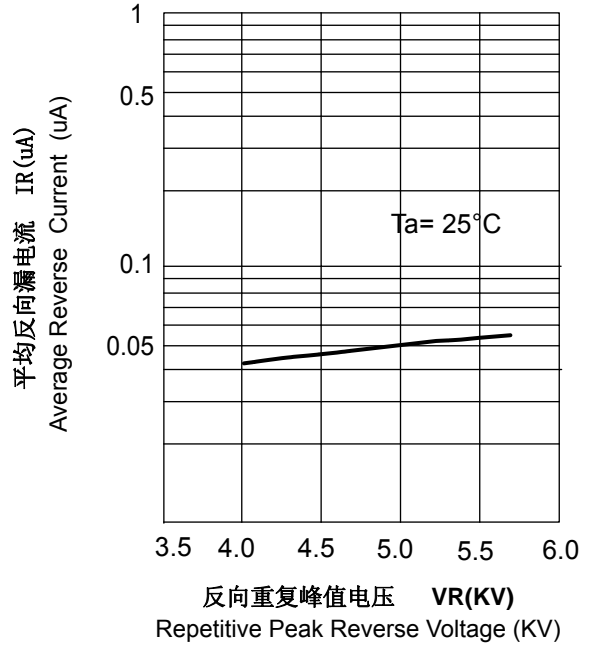
正向特性曲线

TYPICAL FORWARD CHARACTERISTIC



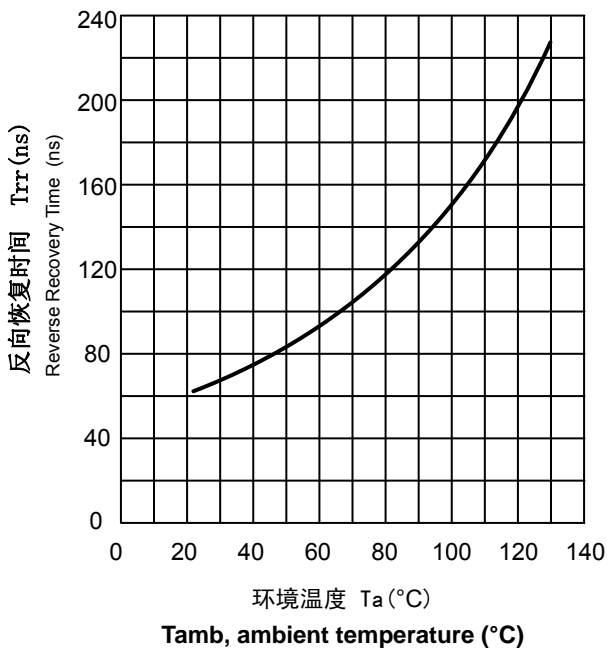
反向特性曲线

REVERSE CHARACTERISTIC [VR-IR]



反向恢复时间特性

REVERSE RECOVERY TIME CHARACTERISTIC [Ta-Trr]



反向电压特性分布

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION

