

塑封快恢复高压二极管

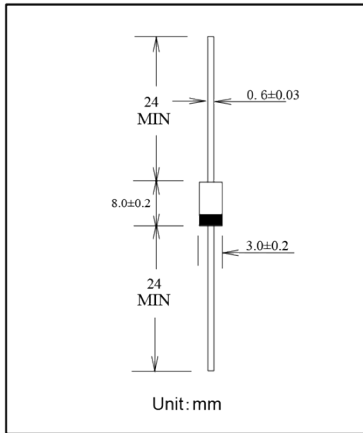
反向电压 8KV

正向电流 5mA

Plastic Fast Recover High Voltage Rectifier

Reverse Voltage 8KV

Forward Current 5mA



特征 Features

- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching

用途 Purpose

- 彩色电视机高压主电源整流用
Rectification for high voltage power supply of color T.V.
- CRT显示器高压电源整流用
Rectification for high voltage power supply of CRT display
- 空气净化器用 Air Clean Car
- 其它高压电源整流用 Others

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	2CL71D	单位 Unit
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	8	KV
正向平均电流 Average Forward Current	$I_{F(AV)}$	5	mA
正向（不重复）浪涌电流 Non-Repetitive Forward Surge Current	I_{FSM}	0.5	A
工作环境温度 Ambient Temperature	T_{amb}	-40 --- +100	°C
有效结温 Virtual Junction Temperature	T_J	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。

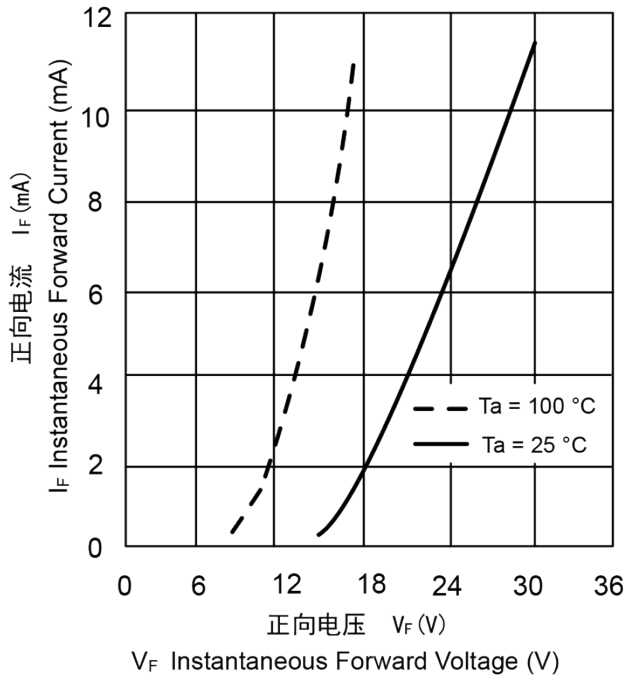
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	2CL71D	单位 Unit
正向压降 Forward Voltage Drop $I_F = 10mA$	V_F	35	V
常温反向漏电流 Normal Temperature Reverse Current $V_R = V_{RRM}$	I_{RM1}	2	μA
高温反向漏电流 High Temperature Reverse Current $T_A = 100^\circ C$ $V_R = V_{RRM}$	I_{RM2}	5	μA
反向恢复时间 Reverse Recovery Time $I_F = 2mA, I_{rp} = 4mA$ $1mA$ recovery	t_{rr}	100	nS

特性曲线 Characteristic Curves

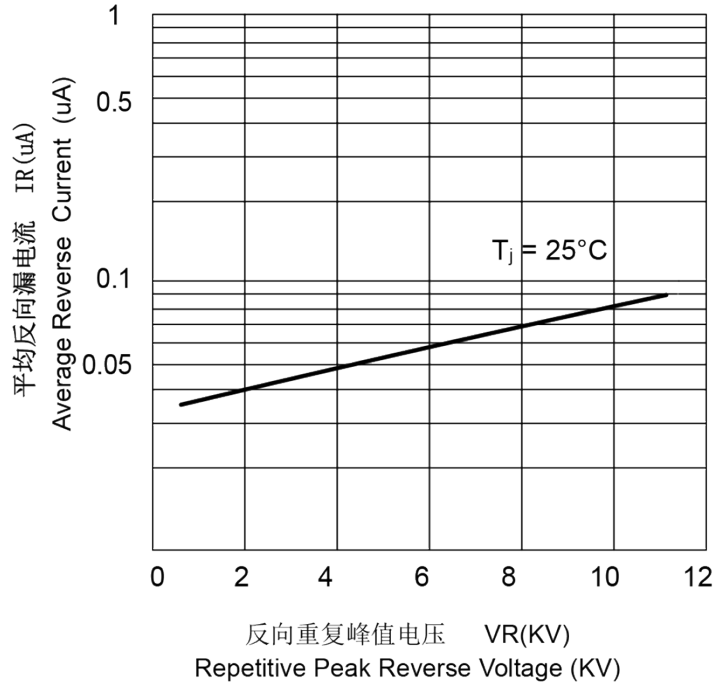
正向特性曲线

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 [T_a - T_{rr}]

