

**塑封快恢复高压二极管**

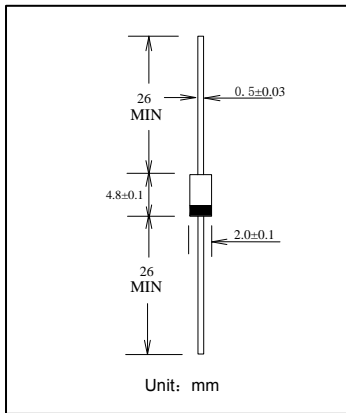
反向电压 6KV

正向电流 5mA

Plastic Fast Recover High Voltage Rectifier

Reverse Voltage 6KV

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℃ 除非另有规定。**Maximum Ratings & Thermal Characteristics** Ratings at 25℃ ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	2CL70B	单位 Unit
反向重复峰值电压 Repetitive Peak Reverse Voltage	V _{RRM}	6	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℃) (50HZ half-sine wave, Resistance load Ta=25℃)	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	℃
最高结温 Maximum Junction Temperature	T _(vJ)	120	℃
贮存温度 Storage Temperature	T _{stg}	-40 --- +120	℃

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

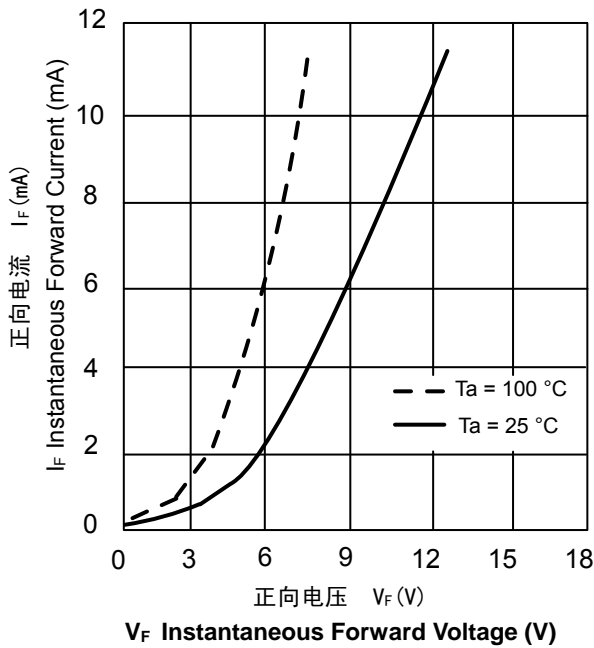
参数名称 Item	符号 Symbol	2CL70B	单位 Unit
正向压降 Forward Voltage Drop	I _F = 10mA V _F	20	V
常温反向漏电流 Normal Temperature Reverse Current	VR = V _{RRM} I _{RM1}	2	μA
高温反向漏电流 High Temperature Reverse Current	TA = 100℃ VR = V _{RRM} I _{RM2}	5	μA
反向恢复时间 Reverse Recovery Time	I _F = 2mA, I _{rp} = 4mA 1mA recovery trr	100	nS



特性曲线 Characteristic Curves

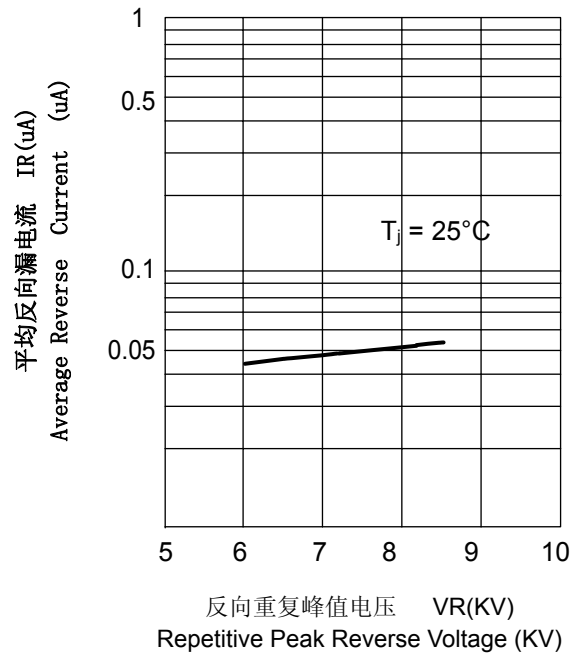
正向特性曲线

TYPICAL FORWARD CHARACTERISTIC



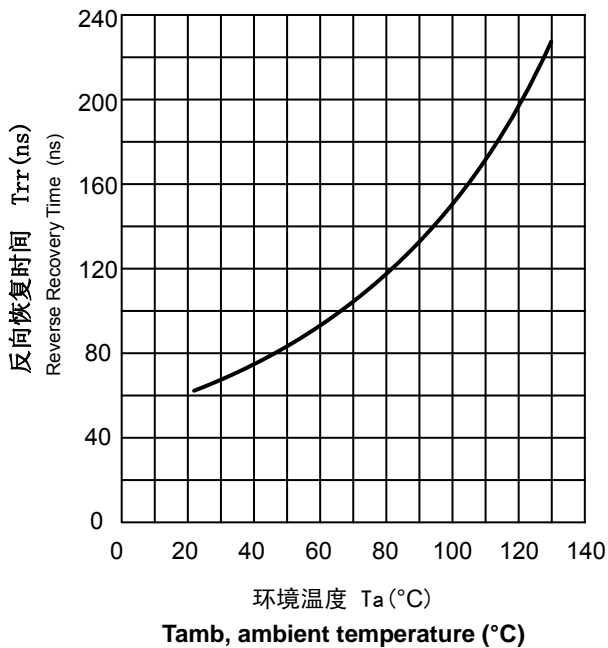
反向特性曲线

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

