

塑封快恢复高压二极管

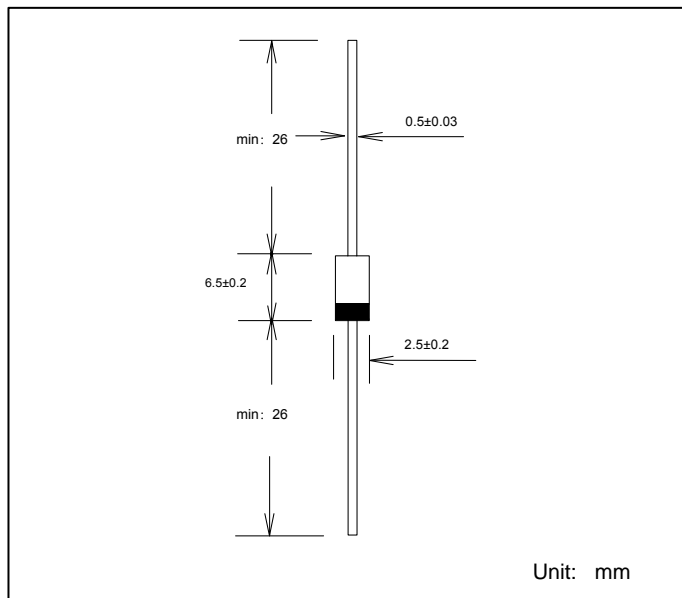
反向电压 6K V

正向电流 5mA

Plastic Fast Recover High Voltage Rectifier

Reverse Voltage 6K V

Forward Current 5mA



特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力强 High forward surge capability
- 高信赖性 High reliability
- 高温焊接保证 High temperature soldering guaranteed:
260°C/10 秒
260°C/10seconds
- 引线 and 管体皆符合RoHS标准
Lead and body according with RoHS standard

机械数据 Mechanical Data

- 环氧树脂: UL 易燃等级: 94V-0
Epoxy: UL 94V-0 rate flame retardant
- 引脚: 镀锡, 无铅 Lead: Pure tin plated, lead free

最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics

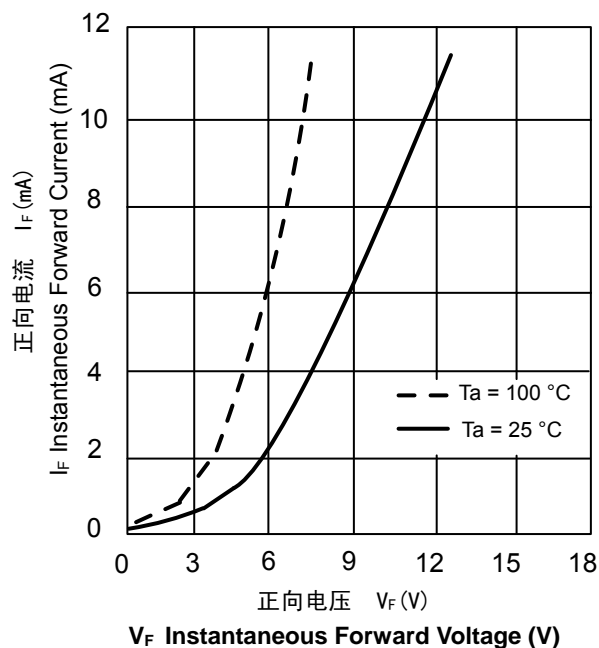
Ratings at 25°C ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	2CL70A	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°C) (50HZ half-sine wave, Resistance load Ta=25°C)	mA
正向 (不重复) 浪涌电流 Non-Repertitive 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
正向压降 Forward Voltage Drop	V_F	20	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

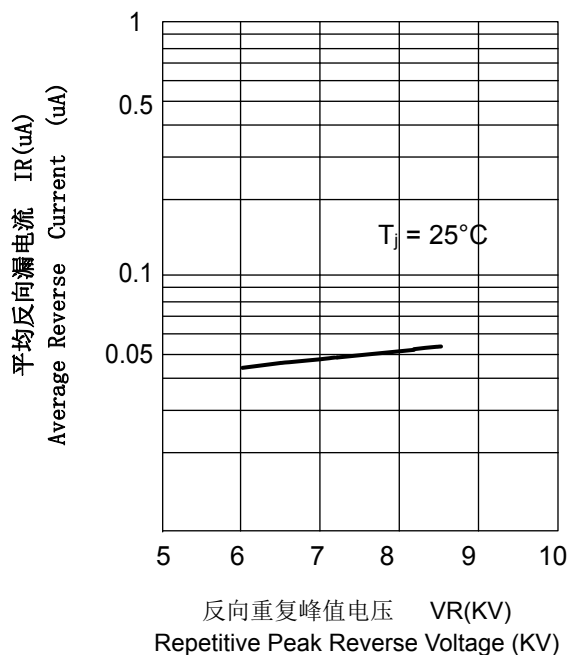
正向特性曲线

TYPICAL FORWARD CHARACTERISTIC



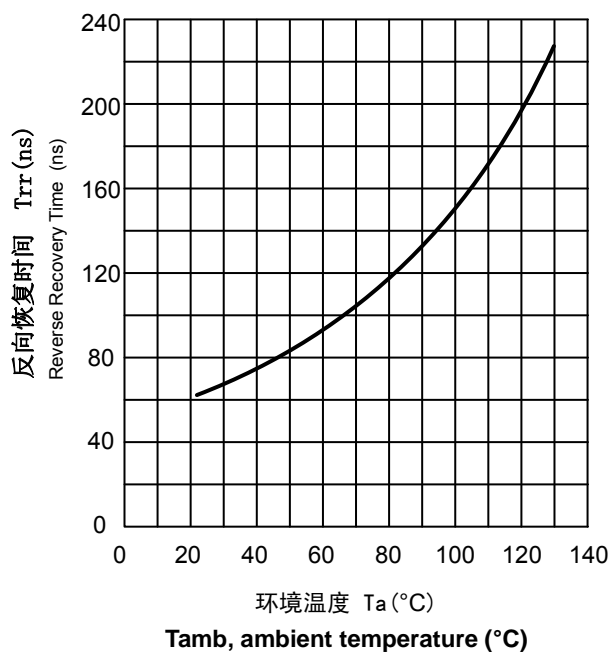
反向特性曲线

REVERSE CHARACTERISTIC [VR-IR]



反向恢复时间特性

REVERSE RECOVERY TIME CHARACTERISTIC [T_a - T_{rr}]



反向电压特性分布

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION

