

**塑封高压二极管**

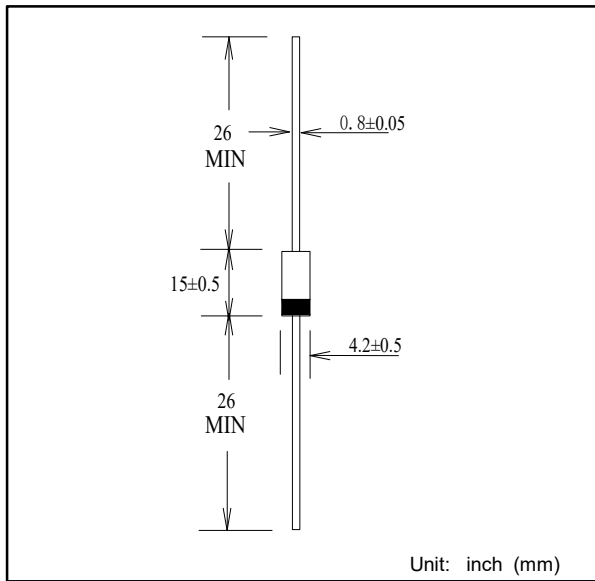
反向电压 15KV

正向电流 100 mA

**Plastic High Voltage Rectifier**

Reverse Voltage 15KV

Forward Current 100 mA



### 特征 Features

- $I_{F(AV)}$  100mA
- $V_{RRM}$  15KV
- 高信赖性 High reliability

### 用途 Purpose

- 电子设备高压电源整流用  
Rectification for high voltage power supply

### 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  $25^\circ\text{C}$  ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	CL10-15R	单位 Unit
反向重复峰值电压 Repetitive peak reverse voltage	$V_{RRM}$	15	KV
正向平均电流 Average forward current	$I_{F(AV)}$	100	mA
正向不重复浪涌电流 正弦半波50HZ, 1/2周期, $T_A=25^\circ\text{C}$ Non-repetitive peak forward surge current 50HZ half-sine wave, 1/2 cycle, $T_A=25^\circ\text{C}$	$I_{FSM}$	10	A
工作环境温度 Ambient temperature range	$T_{amb}$	-40 --- +100	$^\circ\text{C}$
最高结温 Maximum junction temperature	$T_{(VJ)}$	120	$^\circ\text{C}$
存储温度 Storage temperature range	$T_{STG}$	-40 --- +120	

### 电特性 $T_A = 25^\circ\text{C}$ 除非另有规定。

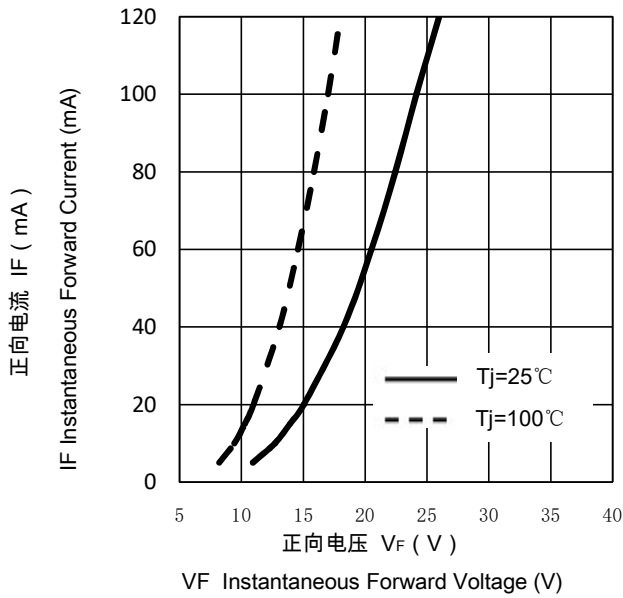
**Electrical Characteristics** Ratings at  $25^\circ\text{C}$  ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	CL10-15R	单位 Unit
最大正向电压 @ $I_F=100\text{mA}$ Maximum forward voltage	$V_F$	35	V
最大反向电流 @ $V_{RRM}$ Maximum reverse current	$I_R$	$T_A = 25^\circ\text{C}$ 5	$\mu\text{A}$
		$T_A = 100^\circ\text{C}$ 50	
最大反向恢复时间 MAX. reverse recovery time	$T_{rr}$	100	ns

特性曲线 Characteristic Curves

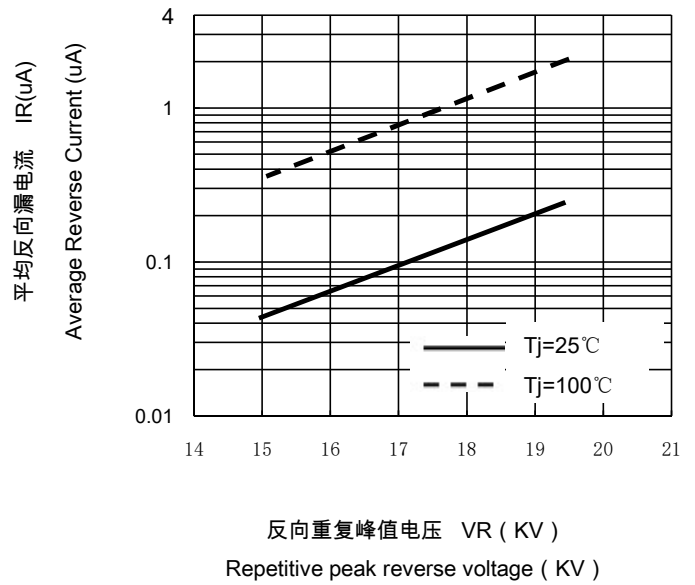
正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



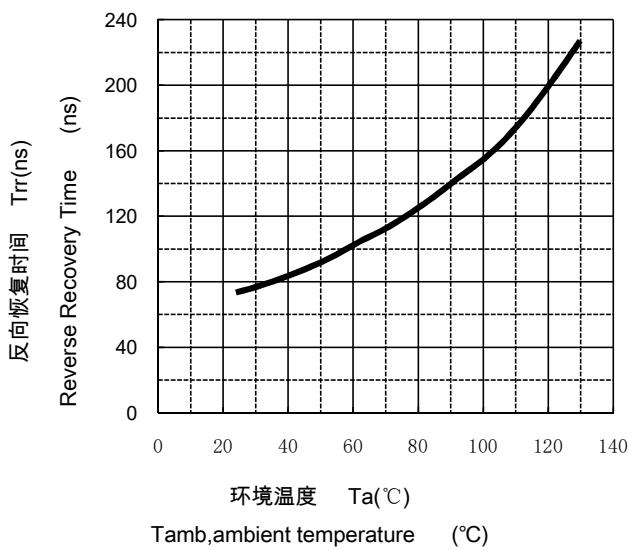
反向特性曲线

TYPICAL REVERSE CHARACTERISTIC



反向恢复时间特性

REVERSE RECOVERY TIME CHARACTERISTIC



反向电压特性分布

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION

