



# HVC Capacitor Manufacturing Co., Ltd. 赫威斯電容器制作有限公司

## 产品参数

HVD-2CL69~82 型高压二极管采用高可靠性的台面结构及扩散工艺，环氧树脂真空灌注成密闭的封装外形。

High voltage rectifier diodes HVD-2CL69~82 Series adopts high reliable mesa structure and diffusion craftwork, epoxy resin molded in a compact structure.

#### ■ 最大额定值 (Maximum ratings)

## ■ 特点 Feature

- 雪崩特性 Avalanche characteristic
  - 更多的外形尺寸可选 More sizes to choose
  - 采用环氧树脂真空封装, 表面具有抗腐蚀性 epoxy resin molded in vacuum, have anticorrosion in the surface
  - 工作结温-40℃—+150℃ Tj: -40℃—+150℃

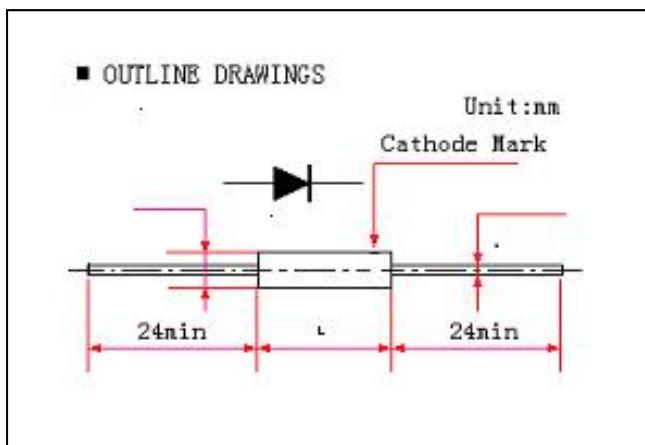
## ■ 应用 Application

- 静电除尘用高压整流 High voltage rectifier used in electrostatic cleaning
  - 高压发生器 High voltage generator
  - 高压测试装置 High voltage testing equipment
  - 一般高压电源整流，倍压装置 General purpose high voltage rectifier, voltage multiplier assembly

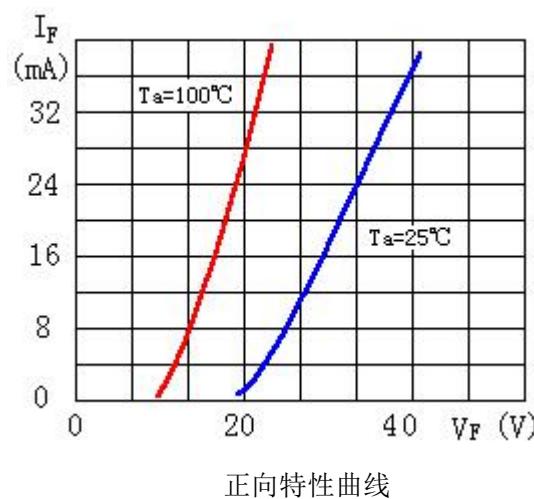
### ■ 电气特性(Electrical characteristics)

Rated Value	Sign	Condition	2CL										Unit	
			70	70	71	72	73	74	75	76	77	79		
最大正向峰值电压 Forward Peak Voltage Max	V	I <sub>F</sub> =10mA	18	20	25	30	35	40	43	45	45	50	55	V
最大反向恢复时间 Reverse Recovery Time Max	T <sub>rr</sub>	I <sub>F</sub> =2mA I <sub>R</sub> =4mA							0.08					μS
最大反向漏电流 Peak Reverse Current	I <sub>R1</sub>	V <sub>R</sub> =V <sub>RRM</sub> , 25°C						2.0						μA
	I <sub>R2</sub>	V <sub>R</sub> =V <sub>RRM</sub> , 100°C						5.0						μA
最大结电容 Junction capacitance Max	C <sub>j</sub>							2						pF

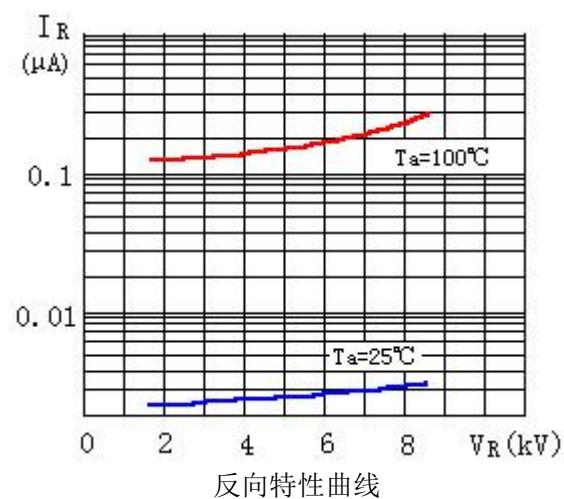
■ 外形图示及尺寸



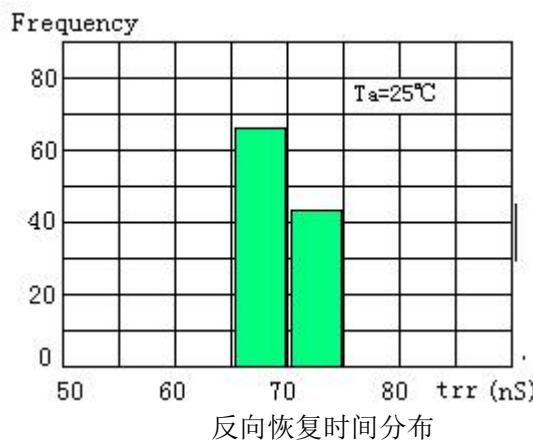
Type	A	Φ
2CL69		
2CL70	8	
2CL71		
2CL72		10
2CL73		
2CL74		3
2CL75		
2CL76		
2CL77		12
2CL79		
2CL82		



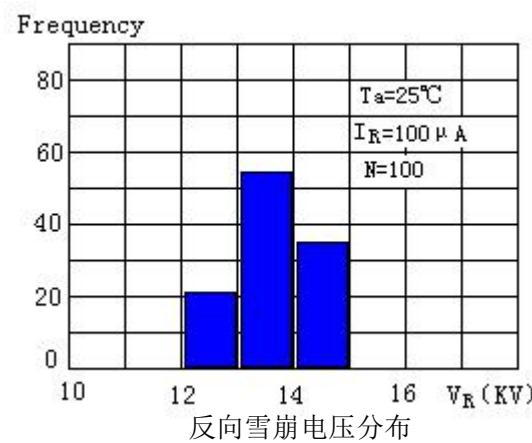
Forward Characteristics (HVD-2CL69)



Reverse Characteristics (HVD-2CL69)



Reverse Recovery Time Distribution (HVD-2CL69)



Avalanche Breakdown Voltage Distribution (HVD-2CL69)

■ 反向恢复时间基本测试电路

