

## 特点

- 结构极其小巧，且放电开始电压为高电压  
(备有1000、1500、2700、3000V4个品种)
- DSP-272M可适应AC1200V-3秒或AC1000V-1分钟、DSP-302M可适应AC1500V-1分钟的AC试验
- 静电浪涌吸收性好，限制电压低
- 静电容量小，绝缘性(100MΩ以上)优异
- 可稳定应对反复静电浪涌及环境变化
- 无极性
- 无明暗效应
- 使用温度范围(一般规格)：-40 ~ 85℃
- 保存温度范围(一般规格)：-55 ~ 125℃

## Features

- High DC spark-over voltage (4types; 1000, 1500, 2700, 3000V) in spite of compact size.
- DSP-272M and DSP-302M each correspond to 1200volts rms 3seconds or 1000volts rms 1minute and 1500volts rms 1minute AC withstanding voltage tests respectively.
- Quick response for electrostatic surge and low limiting voltage.
- Small capacitance and excellent insulation resistance (100M Ω min)
- Stable for repeated electrostatic test conditions and environmental fluctuation.
- No polarity.
- No dark effect.
- Operating temperature limit : -40 ~ 85°C
- Storage Temperature Range : -55 ~ 125°C

## 型号构成 Part number system

DSP — 272 M — A21R

系列名  
Series

直流放电开始电压 (Vs)  
DC Spark-over  
voltage(Vs)

直流放电开始电压容许偏差  
DC Spark-over  
voltage tolerance

包装形式  
Packing form

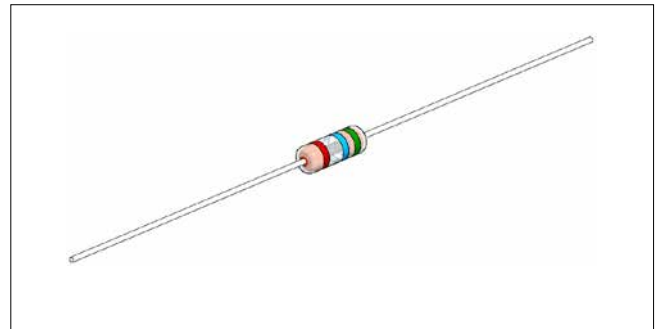
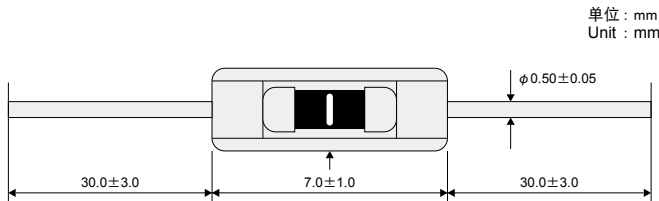
前2位数字表示电压值的有效数字，第3位数字表示乘幂。  
The first two digits are significant, and the third is number of zeros.

例) 272表示  $27 \times 10^2 = 2700V$   
Ex.) 272means  $27 \times 10^2 = 2700V$

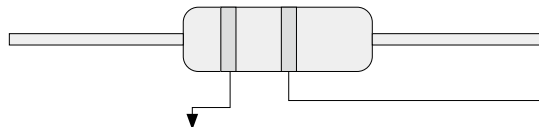
M ±20%

A11F	轴向编带 (带宽26mm)、扁平带装 Axial taping (taping width 26mm), ammo pack taping
A21F	轴向编带 (带宽52mm)、扁平带装 Axial taping (taping width 52mm), ammo pack taping
A21R	轴向编带 (带宽52mm)、卷盘 Axial taping (taping width 52mm), Reel taping
S00B	散装 Bulk pack

## 形状·尺寸 Dimensions



## 标记 Marking



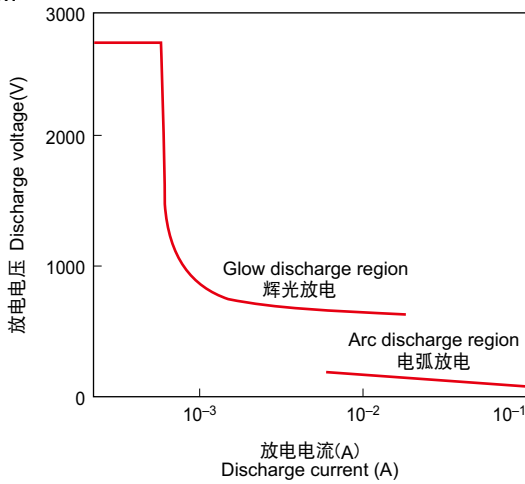
颜色代码 Color code	Color code	第一色带 First color band		第二色带 Second color band	
		型号 Part number	生产批号个位数 The unit digit of lot number		
黑	Black	102M	0		
褐	Brown	152M	1		
红	Red	272M	2		
橙	Orange	302M	3		
黄	Yellow		4		
绿	Green		5		
蓝	Blue		6		
紫	Purple		7		
灰	Gray		8		
白	White		9		

## 特性 Characteristics

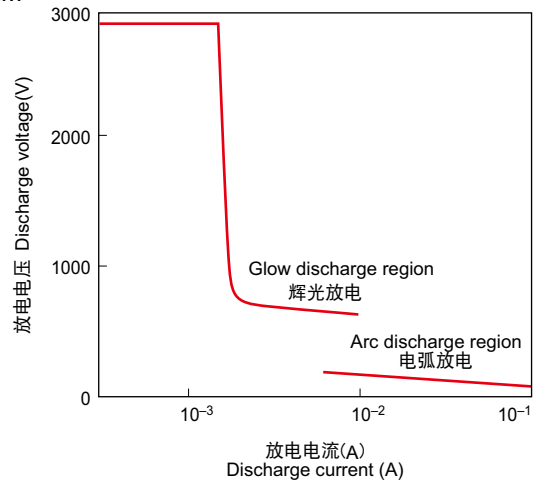
型号 Part number	直流放电开始电压 DC spark-over voltage Vs	绝缘阻抗 Insulation resistance IR		静电容量 Electrostatic capacitance 1kHz-6V max C	AC耐电压 AC withstanding voltage	浪涌耐量 Surge current capacity 8/20 μ s.	浪涌寿命 Surge life test
DSP-102M	1,000V (800~1,200)	≥ 100MΩ	DC500V	≤ 1pF	—	300A	1,500pF-0Ω-10kV 200 times
DSP-152M	1,500V (1,200~1,800)				—		
DSP-272M	2,700V (2,160~3,240)				AC1,000V-1min AC1,200V-3s		
DSP-302M	3,000V (2,400~3,600)				AC1,500V-1min		

■ V—I 特性(参考值) V—I Characteristics (Reference)

DSP-272M

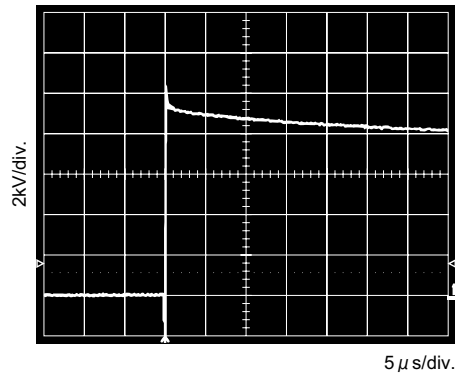


DSP-302M

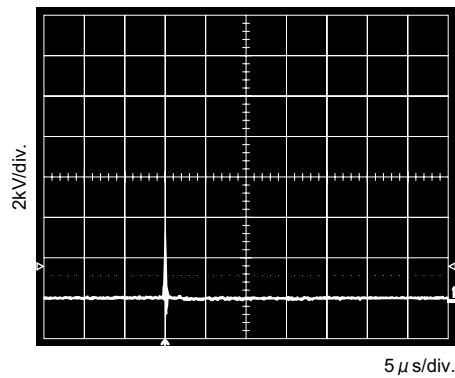


■ 静电响应特性(参考值) Electrostatic response characteristics (Reference)

静电原波形 Original waveform  
500pF-500Ω-10kV



DSP-272M响应波形  
DSP-272M Response waveform



DSP-302M响应波形  
DSP-302M Response waveform

