

DIA浪涌保护器(DSP)

特点

- 可用于车载音响、无线电设备、VTR、BS调谐器等天线的防静电。
- 可用于显示装置、监视器的防管内放电(DSP-141N型除外)。
- 可用于其他防静电。

Features

- Car radio, radio cassette, wireless, new media.
- Protection from electrostatic discharge in a CRT display or monitor TV. (Except DSP-141N)
- Protection against electrostatic discharge.

型号构成 Part number system

DSP

系列名
Series

— 301

直流Series开始电压(Vs)
DC Spark-over
voltage(Vs)

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) 301表示:
30×10¹=300v
Ex.) 301 means:
30×10¹=300v

N

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

M	±20%
N	±30%

— S

编带形式
Taping form

A	轴向(卧式)编带 Axial taping
C	径向(立式)编带 Radial taping
S	无编带 No taping

00

编带尺寸
Taping dimensions

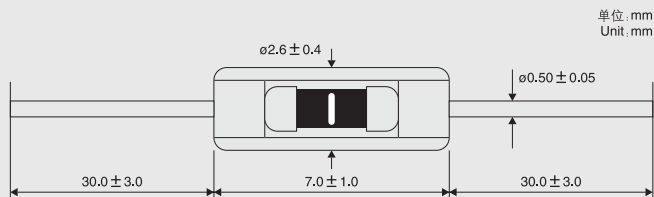
记号 Code	编带内侧宽度 Taping width (径向编带) (Radial taping)	间距 Pitch
04		12.7
11	26	5
21	52	5
00	无编带 No taping	

B

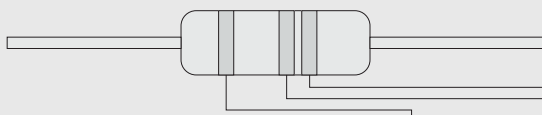
包装形式
Packing form

B	散装装 Bulk pack
F	扁平包装 Flat pack taping
R	带盘包装 Reel taping

形状·尺寸 Dimensions



标记 Marking



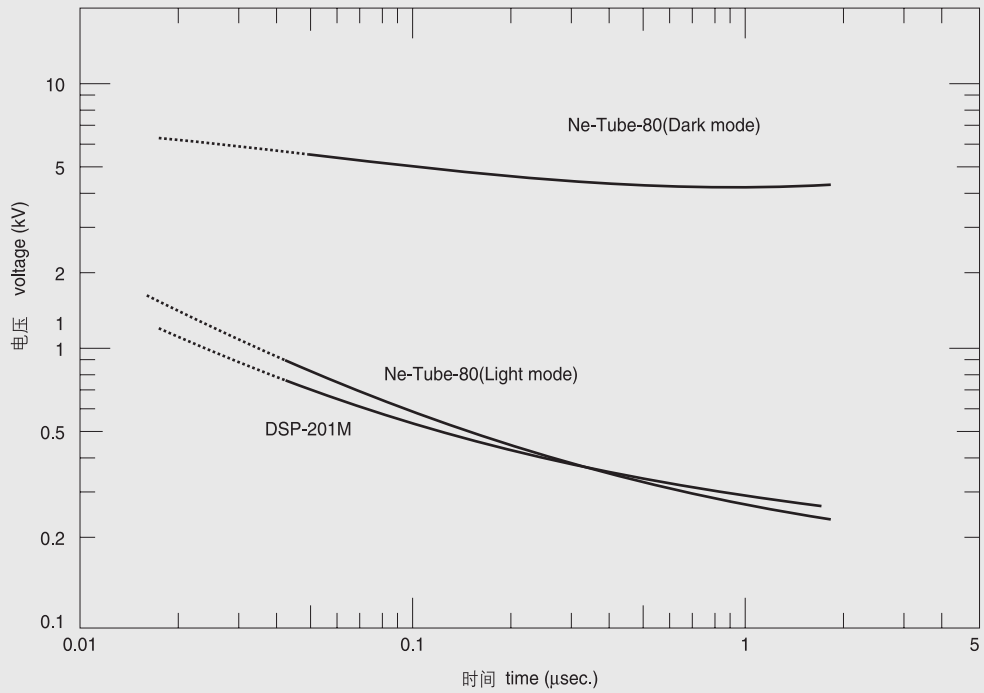
颜色代码 Color code	第一色带	第二色带	第三色带
	First color band	Second color band	Third color band
	型号 Part number	生产批号十位数 The tens digit of product Lot No.	生产批号个位数 The unit digit of product Lot No.
黑 Black		0	0
褐 Brown		1	1
红 Red	201M	2	2
橙 Orange	301N	3	3
黄 Yellow		4	4
绿 Green	501N	5	5
蓝 Blue		6	6
紫 Purple	751N	7	7
灰 Gray		8	8
白 White	141N	9	9

特性 Characteristics

系列 Series	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	浪涌寿命 Surge life test
DSP	DSP-141N	140V(98~182)	100MΩ2min.	1pF max.	1500pF-10kV-0Ω 200 times
	DSP-201M	200V(160~240)			
	DSP-301N	300V(210~390)			
	DSP-501N	500V(350~650)			
	DSP-751N	750V(525~975)			

DIA浪涌保护器(DSP)

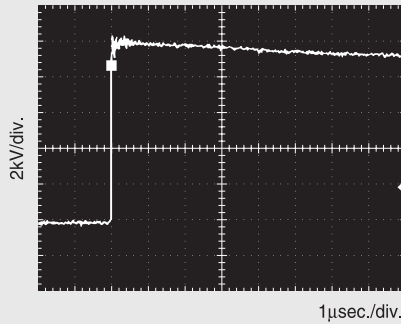
V-t特性(参考值) V-t Characteristics (Reference)



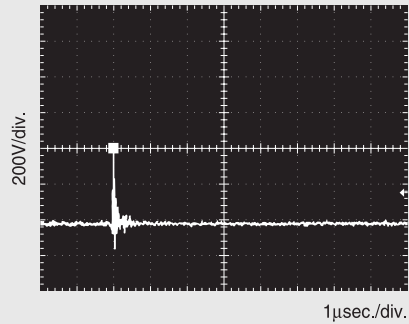
- 表现出快速响应瞬变静电的特性。
- 无明暗效应。
- Rapid response against electrostatic discharge with instantaneous rise.
- No dark effect.

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

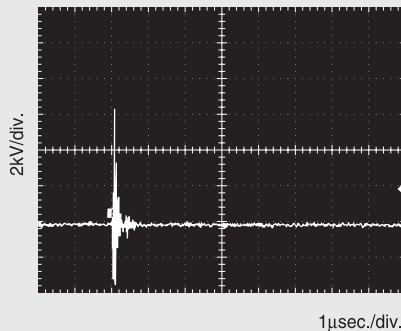
静电原波形 Original waveform
500pF-500Ω-10kV



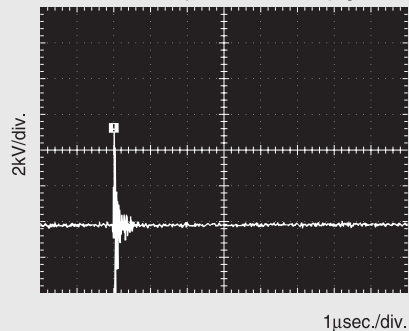
DSP-201M 响应波形(明、暗)
DSP-201M Response waveform (Light & Dark mode)



Ne管(80V) 响应波形(暗)
Ne-Tube-80V Response waveform (Dark mode)



Ne管(80V) 响应波形(明)
Ne-Tube-80V Response waveform (Light mode)



高电压DSP 系列

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。
- 无明显暗效应。

典型用途

- 显像管式显示装置、监视器的防内部静电放电。
- 无绳电话的充电端子。

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.

Typical applications

- Protect driver IC and transistors in CRT displays and TV monitors from internal electrostatic discharge.
- Cordless telephone charging terminal.

型号构成 Part number system

DSP
系列名
Series

272
直流放电开始电压 (Vs)
DC Spark-over
voltage(Vs)

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.) 272 means : $27 \times 10^2 = 2700V$

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

M ±20%

A
编带形式
Taping form

A 轴向(卧式)编带
Axial taping
S 无编带
No taping

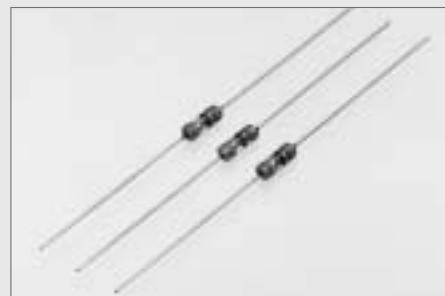
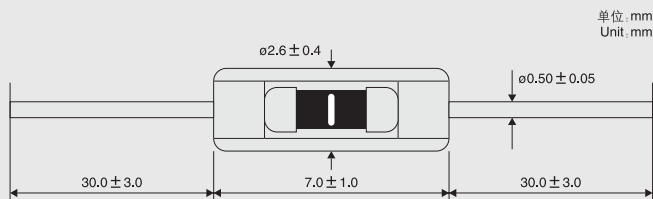
21
编带尺寸
Taping dimensions

记号 Code	编带内侧宽度 taping width	间距 Pitch
11	26	5
21	52	5
00	无编带 No taping	

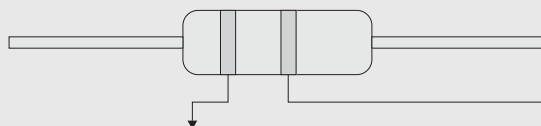
R
包装形式
Packing form

B	散装装 Bulk pack
F	扁平带装 Flat pack taping
R	卷盘带装 Reel taping

形状·尺寸 Dimensions



标记 Marking



颜色代码 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
茶 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

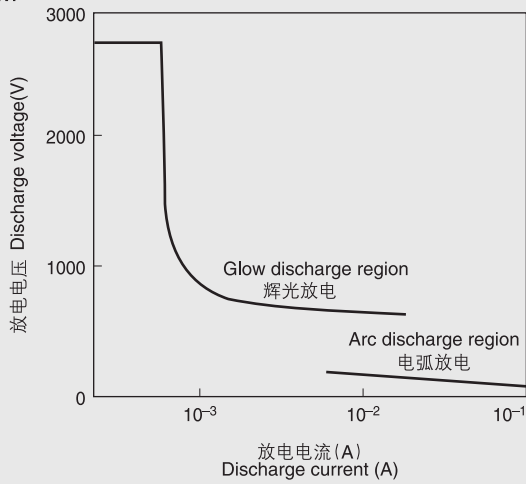
特性 Characteristics

系列名 Series	型号 Part number	直流放电开始电压 DC spark-over voltage Vs(V)	绝缘阻抗 Insulation resistance IR(Ω)	静电容量 Electrostatic capacitance 1kHz-6V max.	浪涌耐量 Surge current capacity	浪涌寿命 Surge life test	AC耐电压 AC withstanding voltage
DSP	DSP-102M	1,000V(800~1,200)	100MΩmin. (测定电压)DC500V measured with DC 500V	1pF max.	8/20μsec-300A	1,500pF-0Ω-10kV 200 times	无 (nothing)
	DSP-152M	1,500V(1,200~1,800)					无 (nothing)
	DSP-272M	2,700V(2,160~3,240)					AC1,200V-3sec. AC1,000V-1min.
	DSP-302M	3,000V(2,400~3,600)					AC1,500V-1min.

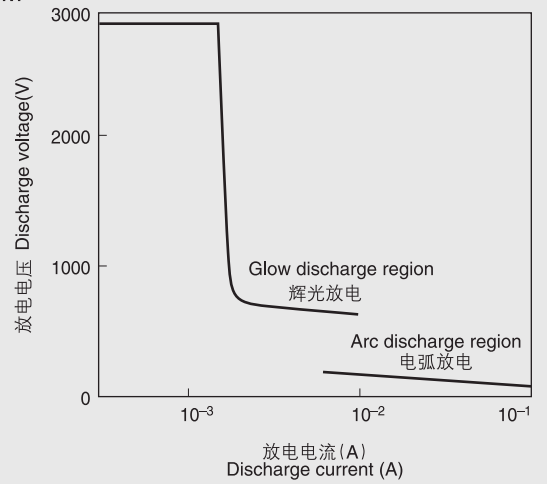
高电压DSP 系列

V-I特性(参考值) V-I Characteristics (Reference)

DSP-272M

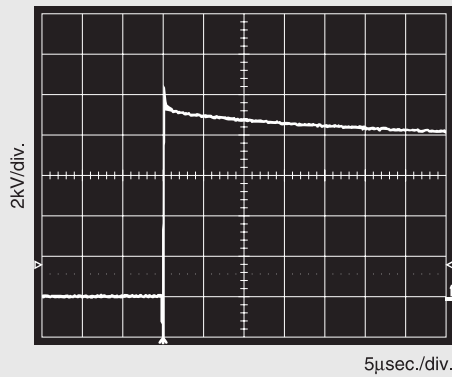


DSP-302M

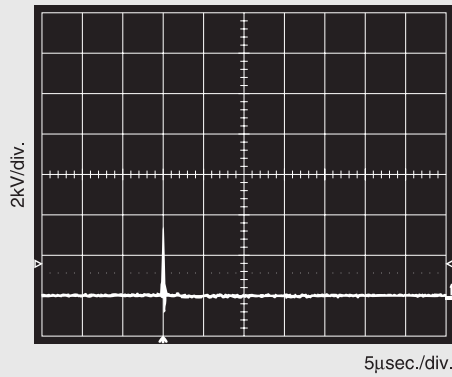


静电响应特性(参考值) Electrostatic response characteristics (Reference)

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

