

DIA浪涌抑制器(DSS)

特点

- 用于电话机、调制解调器、传真机等电话线路连接设备的防浪涌。
- 用于计算机等通信线路连接设备的防浪涌。
- 某些型号已获得UL规格认证。

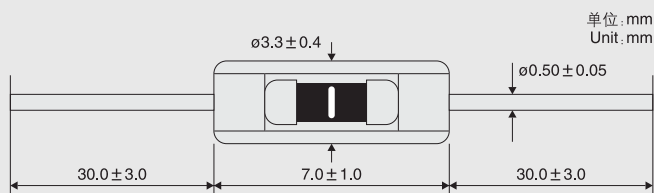
Features

- Surge protection for telephone lines.(telephone, modem, facsimile etc.)
- Surge protection for telecommunication lines.(computer etc.)
- Some models are recognized by UL.

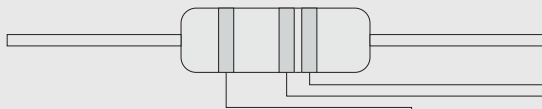
型号构成 Part number system

DSS 系列名 Series	301 直流放电开始电压(Vs) DC Spark-over voltage(Vs)	L 直流放电开始电压容许偏差 DC Spark-over voltage tolerance	S 编带形式 Taping form	00 编带尺寸 Taping dimensions	B 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) 301表示: 30×10 ¹ =300v Ex.) 301 means: 30×10 ¹ =300v	L ±15% M ±20%	A 轴向(卧式)编带 Axial taping C 径向(立式)编带 Radial taping S 无编带 No taping	单位: mm Unit:mm 记号 Symbol 编带内侧宽度 Taping width 间距 Pitch 04 (径向编带) (Radial taping) 12.7 12 26 22 52 00 无编带 No taping	B 散袋装 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	Color code	第一色带 First color band	第二色带 Second color band	第三色带 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	301L	3	3
黄	Yellow	401M	4	4
绿	Green		5	5
蓝	Blue	601M	6	6
紫	Purple		7	7
灰	Gray	351M	8	8
白	White		9	9

特性

系列名 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.	浪涌耐量 Surge current capacity 8/20μsec.	浪涌寿命 Surge life test	UL规格认证产品 UL recognized
DSS	DSS-201M	200V(160~240)	100MΩmin.	DC 100V	1pF max.	500A	DOC单循环1) DOC 1cycle	UL 497B 2)
	DSS-301L	300V(255~345)						○
	DSS-351M	350V(280~420)		-				
	DSS-401M	400V(320~480)		○				
	DSS-601M	600V(480~720)		○				

1). DOC 1cycle 10/1000μsec. 1KV-12times, 100/1000μsec. 1KV-12times respectively.
2). UL Standard UL 497B File No. E175280 (N)

DSSV 系列

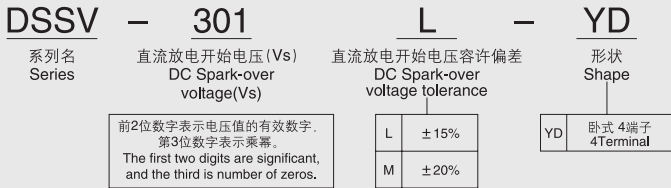
特点

- 用于电话机、调制解调器、传真机等电话线路连接设备的防浪涌以及防过电压 (UL1459、CSA-22.2 No.225-M90)。

Features

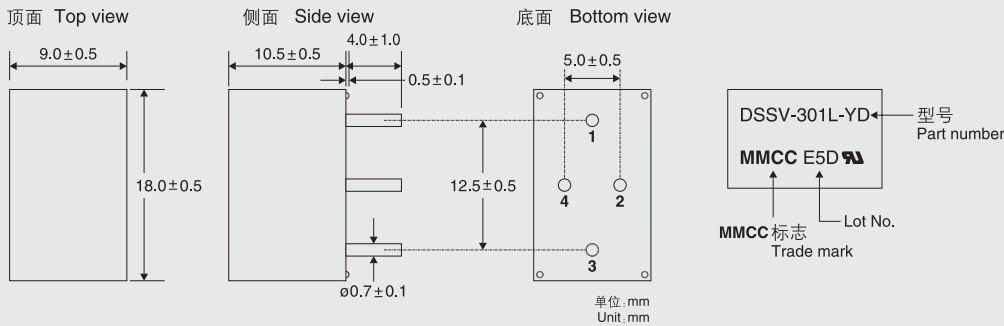
- Protects telephone line equipment (telephone, modem, facsimile etc.) against surge and overvoltage (UL1459, CSA-22.2 No. 225-M90).

型号构成 Part number system



形状·尺寸 Dimensions

DSSV-YD Type



特性 Characteristics

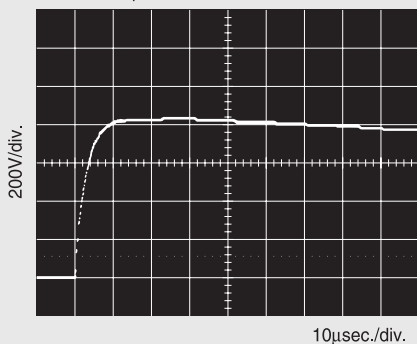
系列名 Series	型 号 Part number	直流放电开始电压 DC spark-over voltage Vs	绝缘阻抗 Insulation resistance IR		静电容量 Electrostatic capacitance 1kHz-6V max. C	浪涌耐量 Surge current capacity 8/20µsec.	浪涌寿命 Surge life test	UL规格认证产品 UL recognized
DSSV	DSSV-201M-YD	200V(160~240)	100MΩmin.	DC 100V	2pF max.	400A	FCC循环1) FCC cycle 1)	○
	DSSV-301L-YD	300V(255~345)					DOC单循环2) DOC 1cycle 2)	
	DSSV-401M-YD	400V(320~480)					DC 250V	

1). FCC10/560µsec. 100A ±3times, 10/160µsec. 200A ±3times
 2). DOC 1cycle 10/1000µsec. 1KV-12times, 100/1000µsec. 1KV-12times respectively.
 3). UL Standard UL 497A File No. E131010 (N)

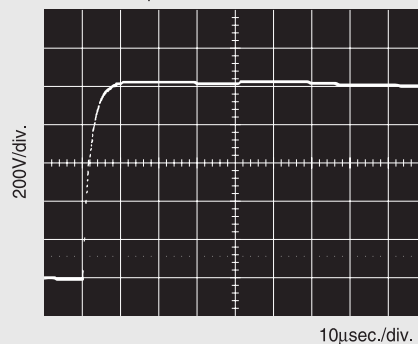
DIA浪涌抑制器(DSS)

浪涌响应特性(参考值) Surge Response characteristics (Reference)

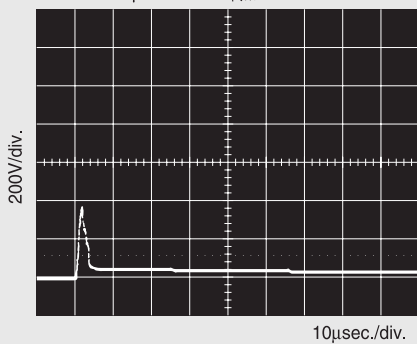
浪涌原波形 Original waveform
FCC 10/560μsec. 800V



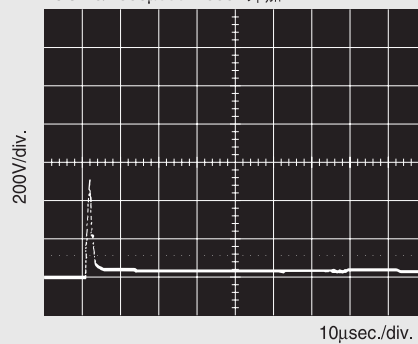
DOC 10/1000μsec. 1000V



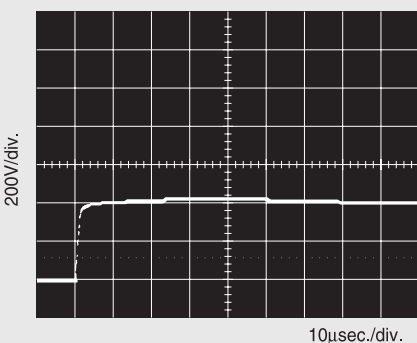
响应波形 Response waveform
DSS-301L, DSSV-301L-YD
FCC 10/560μsec. 800V外加



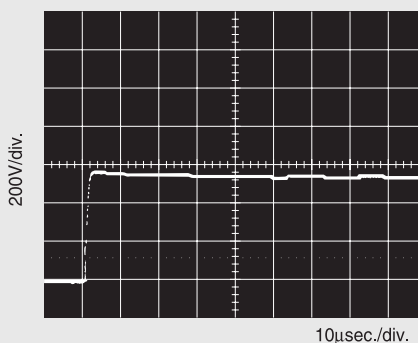
DSS-401L, DSSV-401M-YD
DOC 10/1000μsec. 1000V外加



压敏电阻 Varistor 270V



压敏电阻 Varistor 390V



DSSV型过电压截止特性 Overvoltage cut off properties of DSSV type

型号 Part number	DSSV-301L-YD, DSSV-401M-YD		
外加条件 Applied conditions	AC600V-40A-1.50sec.	AC600V-7A-5sec.	AC600V-2.2A-30min.
着火率 Rate of ignition n=100	0	0	0

在电话机的安全标准、UL60950、CSA-C22.2 No.225-M90中，有对电话机的通信线路外加上述过电压的试验。对于上述过电压，DSS系列将快速作出响应，阻断流入通信线路或浪涌吸收器的过电压。

Overvoltage testing is required in both UL60950 and CSA-C22.2 No.225-M90. The DSSV is effective in protecting against these overvoltage conditions by opening the circuit.

高压DSS 系列

特点

- 结构极其小巧，且放电开始电压为高压。(备有2700、3000V共2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耐压试验。
- 浪涌吸收性好，限制电压低。
- 静电容量小，绝缘性(100MΩ以上)优异。
- 可稳定应对反复浪涌及环境变化。
- 无极性。
- 无明显暗效应。
- 本系列已获得UL1414、UL1449、CSA、TÜV认证。

典型用途

- AC适配器的浪涌。
- TV、VCR天线电路。
- 通信线路(T、R-GND之间进行AC耐电压试验时)。

Features

- High DC spark-over voltage in spite of compact size (2types; 2700, 3000V).
- DSS-272M and DSS-302M each correspond to 1200volts rms 3seconds or 1000volts rms 1minute and 1500volts rms 1minute AC withstanding voltage tests respectively.
- Quick response for surge voltage and low limiting voltage.
- Small capacitance and excellent insulation resistance (100MΩmin)
- Stable for repeated discharge test conditions and environmental fluctuation.
- No polarity.
- No dark effect.
- This series are recognized under UL 1414, UL1449, CSA and TÜV.

Typical applications

- AC Adaptor.
- Antenna-circuit of TV, VCR.
- Communication lines. (If T, R-GND AC withstanding test is required.)

型号构成 Part number system

DSS
系列名
Series

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

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

A
编带形式
Taping form

22
编带尺寸
Taping dimensions

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

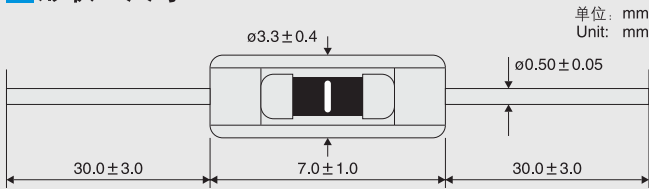
M ±20%

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

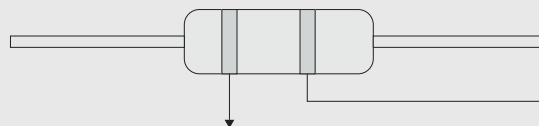
记号 Code	编带内侧宽度 Taping width	间距 Pitch
12	26	10
22	52	10
00	无编带 No taping	

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

特性 Characteristics

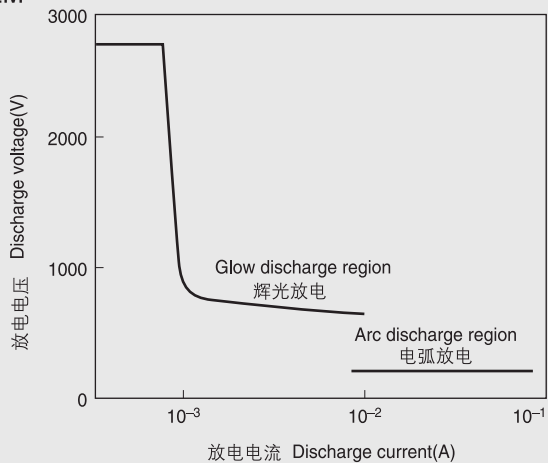
系列名 Series	型号 Part number	直流放电开始电压 DC spark-over voltage Vs(V)	绝缘阻抗 Insulation resistance IR(Ω)	静电容量 Electrostatic capacitance 1kHz-6V max.	浪涌耐量 Surge current capacity	浪涌寿命 Surge life test	AC耐电压 AC withstanding voltage	UL规格认证产品 UL approved		CSA规格 CSA approved 6)	EN认证 EN approved 7)
								4) UL1414	5) UL1449		
DSS	DSS-272M	2,700V(2,160~3,240)	100MΩmin. (测量电压) DC500V measured with DC 500V	1pF max.	8/20μsec-500A	8/20μsec50A 300次 300 times	AC1,200V-3sec. AC1,000V-1min. AC1,500V-1min.	○1)	○1)	○2)	-
	DSS-302M	3,000V(2,400~3,600)						○1)	○1)	○2)	○3)

- 1) 与UL认证压敏电阻(V 1mA ≥ 270V)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with an UL approved varistor (V1mA ≥ 270V), electrically connected in series by means such as twist and soldering, staking, welding etc.
- 2) 与压敏电阻(AC125V V 1mA ≥ 270V D ≥ 5mm; AC250V V 1mA ≥ 470V D ≥ 5mm)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with a varistor (AC125V : V1mA ≥ 270V, D ≥ 5mm, AC250V : V1mA ≥ 470V, D ≥ 5mm), electrically connected in series by means such as twist and soldering, staking, welding etc.
- 3) 与压敏电阻(V 1mA ≥ 470V D ≥ 10mm)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with a varistor (V1mA ≥ 470V, D ≥ 10mm), electrically connected in series by means such as twist and soldering, staking, welding etc.
- 4) UL Standard UL1414 File No.E89615 (N)
- 5) UL Standard UL1449 File No.E70785 (S)
- 6) CSA Standard C22.2 No1-94 File No.CA111411
- 7) DSS-302M has received recognition to EN132400 through TÜV. Report No J9750615.

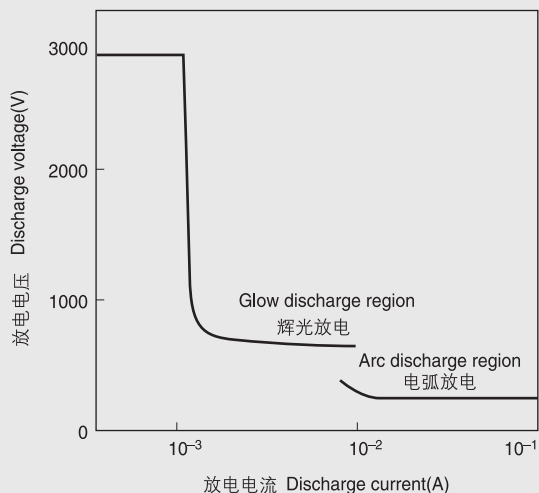
高电压DSS 系列

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

DSS-272M



DSS-302M

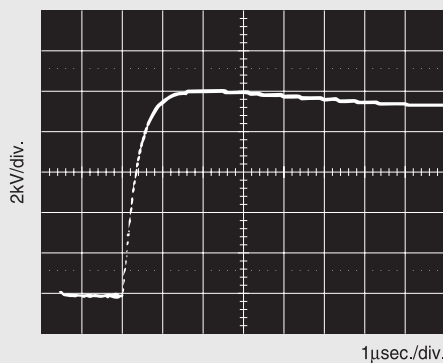


浪涌响应特性(参考值) Surge Response characteristics (Reference)

浪涌原波形

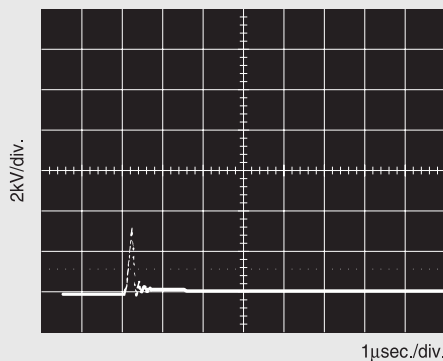
Original waveform

1.2/50 μ sec.10kV



DSS-272M响应波形

DSS-272M Response waveform



DSS-302M响应波形

DSS-302M Response waveform

