

## Features

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

## Part Number System

**DSS**  
Series

- **301**  
DC Spark-over voltage (Vs)

The first two digits are significant, and the third is number of zeros.  
Example) 301 -> 30X10<sup>1</sup>=300V

**L**  
DC Spark-over voltage tolerance

L	-15%
M	-20%

- **S**  
Taping form

A	Axial taping
C	Radial taping
S	No taping

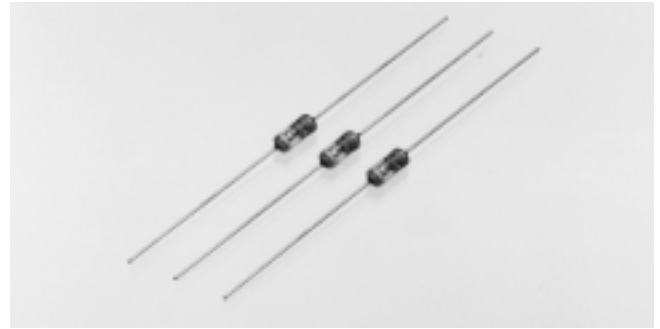
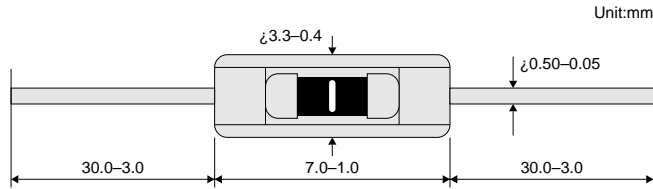
**00**  
Taping dimensions

Symbol	Unit:mm	
	Taping width	Pitch
04	(Radial taping)	12.7
12	26	10
22	52	10
00	No taping	

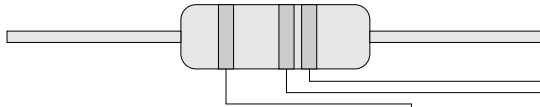
**B**  
Packing form

B	Bulk pack
F	Flat pack taping
R	Reel taping

## Dimensions



## Marking



Color code	First color band Part number	Second color band Lot No. (ten's digit)	Third color band Lot No. (unit's digit)
Black		0	0
Brown		1	1
Red	201M	2	2
Orange	301L	3	3
Yellow	401M	4	4
Green		5	5
Blue	601M	6	6
Purple		7	7
Gray	351M	8	8
White		9	9

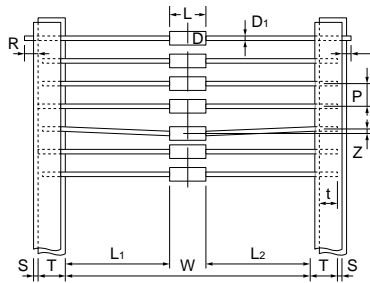
## Characteristics

Series	Part number	DC spark-over voltage Vs	Insulation resistance IR		Electrostatic capacitance 1kHz-6V max.	Surge current capacity 8/20 sec.	Surge life test	UL Recognized
			100%min.					UL 497B 2)
DSS	DSS-201M	200V(160-240)		100%min.	DC 100V	1pF max.	500A	DOC 1cycle 1)
	DSS-301L	300V(255-345)	-					
	DSS-351M	350V(280-420)	DC 250V		-			
	DSS-401M	400V(320-480)			-			
	DSS-601M	600V(480-720)			-			

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

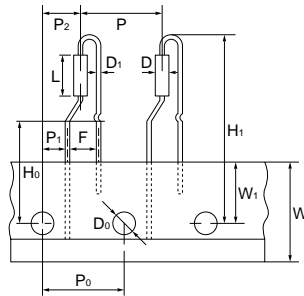
## Taping

### Axial taping



Symbol	High Voltage DSP (mm)		High Voltage DSS (mm)	
	A11	A21	A12	A22
W	26 <sup>+1.5</sup> <sub>-0.0</sub>	52 <sup>+2.0</sup> <sub>-1.0</sub>	26 <sup>+1.5</sup> <sub>-0.0</sub>	52 <sup>+2.0</sup> <sub>-1.0</sub>
P	5.0-0.5		10.0-0.5	
L1-L2	1 max.		1 max.	
T	6.0-1.0			
Z	1.2 max.			
R	Lead wire must not project from tape.			
t	3.2 min.			
S	0.8 max.			

### Radial taping (\* High voltage DSS is not provided in this form.)

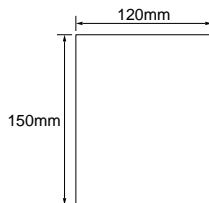


Symbol	Dimensions(mm)	Dimensions(mm)
P		12.7-1.0
P <sub>0</sub>		12.7-0.3
P <sub>1</sub>		3.85-0.5
P <sub>2</sub>		6.35-1.3
F		5.0-0.5
W		18.0 <sup>+1.0</sup> <sub>-0.5</sub>
W <sub>1</sub>		9.0-0.5
H <sub>0</sub>		16.0-0.5
H <sub>1</sub>		32.25 max.
D <sub>0</sub>		∅4.0-0.2

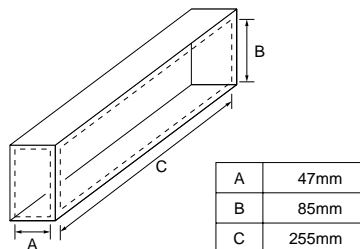
## Packing Quantity / Packing Form

Form	High Voltage DSP Unit quantity	High Voltage DSS Unit quantity
Bulk		S00B: 200 pcs/pouch
Axial Taping (Ammo pack)	A11F: 2000 pcs/box	A12F: 1000 pcs/box
Axial Taping (Ammo pack)	A21F: 2000 pcs/box	A22F: 1000 pcs/box
Axial Taping (Reel)	A21R: 4000 pcs/reel	A22R: 3000 pcs/reel
Radial Taping (Ammo pack)		C04F: 2000 pcs/box
Radial Taping (Reel)	C04R: 3000 pcs/reel	

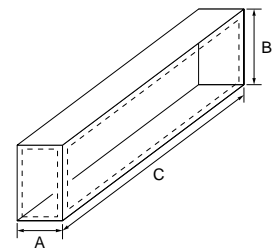
### Bulk<S00B>



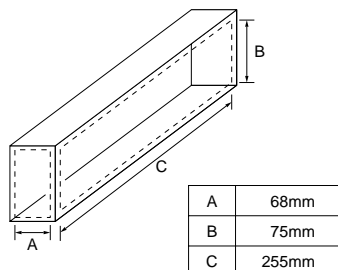
### Ammo pack<A11F/A12F>



### Ammo pack<C04F/C04R>



### Ammo pack<A21F/A22F>



### Reel<A21R/A22R>

