

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 -> $30 \times 10^1 = 300V$

L
DC Spark-over
voltage tolerance

L	-15%
M	-20%

- S
Taping form

A	Axial taping
C	Radial taping
S	No taping

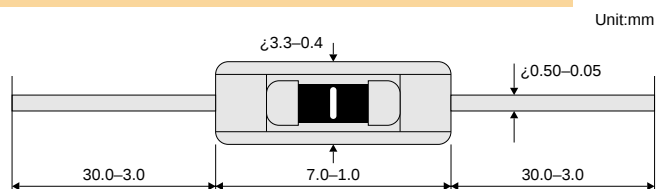
00
Taping dimensions

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

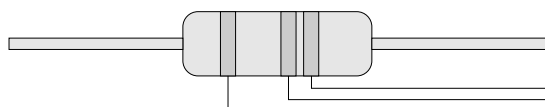
B
Packing form

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

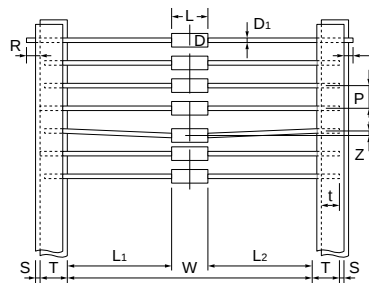
Series	Part number	DC spark-over voltage Vs	Insulation resistance IR		Electrostatic capacitance 1kHz-6V max.	Surge current capacity 8/20 sec.	Surge life test	UL Recognized
DSS	DSS-201M	200V(160-240)	100M%min.	DC 100V	1pF max.	500A	DOC 1cycle 1)	UL 497B 2)
	DSS-301L	300V(255-345)						-
	DSS-351M	350V(280-420)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

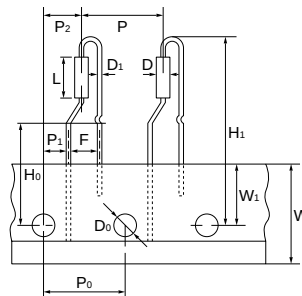
Taping

Axial taping



Symbol	High Voltage DSP (mm)		High Voltage DSS (mm)	
	A11	A21	A12	A22
W	26 ^{+1.5} -0.0	52 ^{+2.0} -1.0	26 ^{+1.5} -0.0	52 ^{+2.0} -1.0
P	5.0–0.5		10.0–0.5	
L ₁ -L ₂	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.)

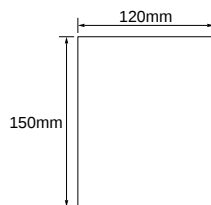


Symbol	Dimensions(mm)	Dimensions(mm)
P	12.7-1.0	
P0	12.7-0.3	
P1	3.85-0.5	
P2	6.35-1.3	
F	5.0-0.5	
W	18.0 ^{+1.0} _{-0.5}	
W1	9.0-0.5	
H0	16.0-0.5	
H1	32.25 max.	
D0	∅4.0-0.2	

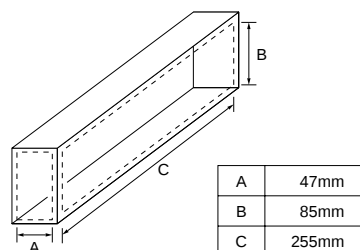
Packing Quantity / Packing Form

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	

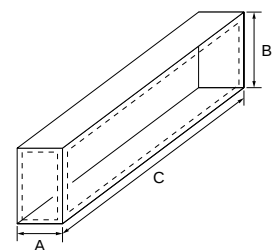
Bulk<S00B>



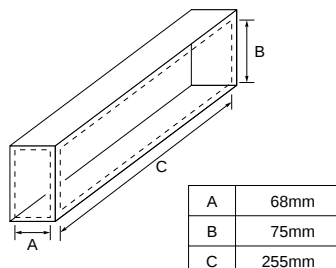
Ammo pack<A11F/A12F>



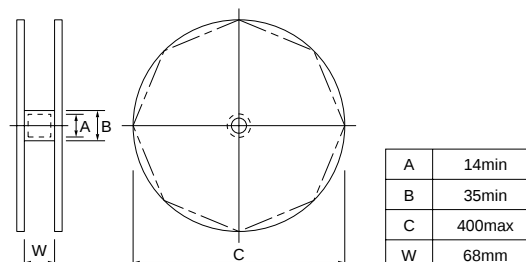
Ammo pack<C04F/C04R>



Ammo pack<A21F/A22F>



Reel<A21R/A22R>



	C04F	C04R
A	48mm	345mm
B	183mm	345mm
C	335mm	58mm