

Axial Leadwire Type

■ Features

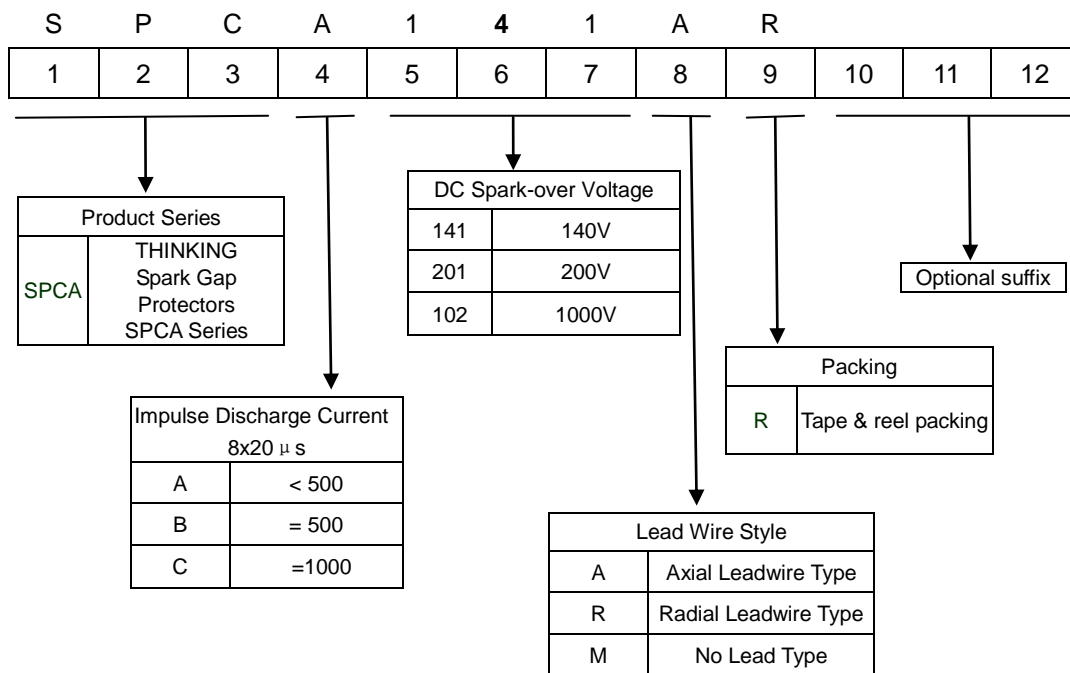
1. Small size
2. RoHS compliant and halogen-free
3. Fast response time
4. Low electrode capacitance (1pF) and high isolation (100M Ω)



■ Recommended Applications

1. Telephone, Fax, Modem
2. Power Supplies
3. High frequency signal transmitters/receivers
4. Satellite antenna
5. Radio amplifiers
6. Alarm systems

■ Part Number Code



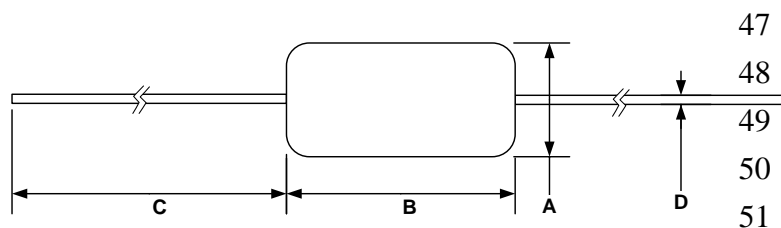
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Structures and Dimensions

SPCA Series

Unit: mm

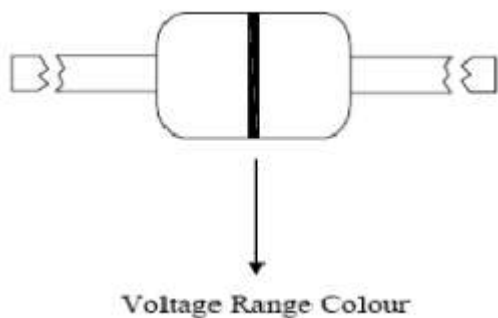
Item	Spec	Tolerance
A	$\Phi 1.8$	0.1
B	3.8	0.5
C	28.5	3
D	$\Phi 0.5$	0.05



Marking

Color Code

Low-Voltage Series



Type	Voltage Range Color
SPCA-141	Gold
SPCA-201	Red
SPCA-301	Orange

Spark Gap Protectors: SPCA Series



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■ Electrical Characteristics

Thinking Part No.	DC Spark-over Voltage	Impulse Withstanding Voltage Capacity 10x700 μ s	Insulation Resistance Min.DC		Capacitance Max
	VS (V)		(KV)	IR(M Ω) Min	DC(V)
SPCA141AR	140 \pm 30%	0.5	100	50	1.0
SPCA201AR	200 \pm 20%	0.5	100	100	1.0
SPCA301AR	300 \pm 20%	0.5	100	100	1.0

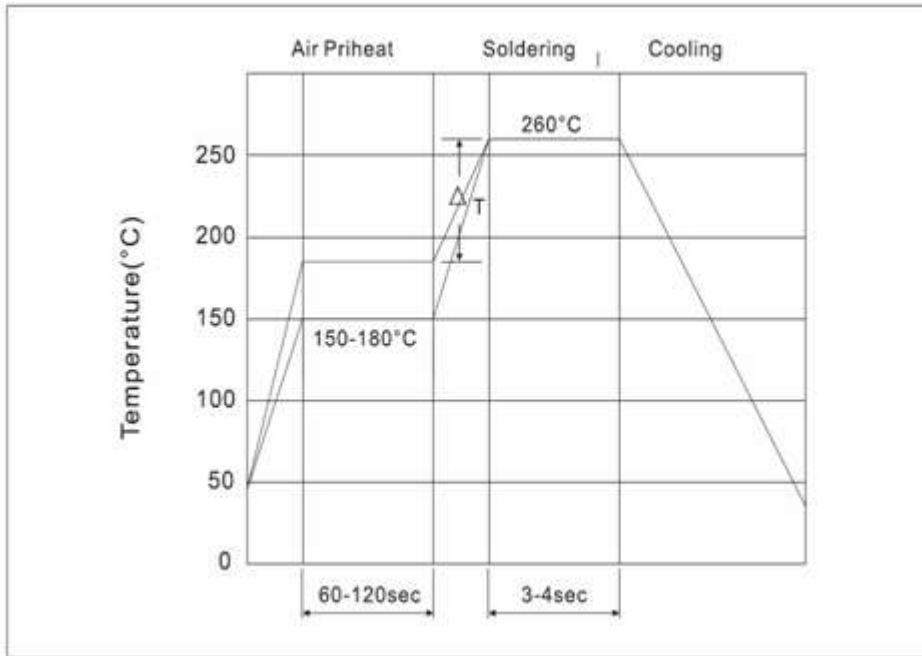
Spark Gap Protectors: SPCA Series

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■ Soldering Recommendation

◎ Wave Soldering Profile



◎ Recommended Reworking Conditions with Soldering Iron :

Item	Conditions
Temperature of Soldering Iron-tip	350±5°C
Soldering Time	3 sec. (max.)

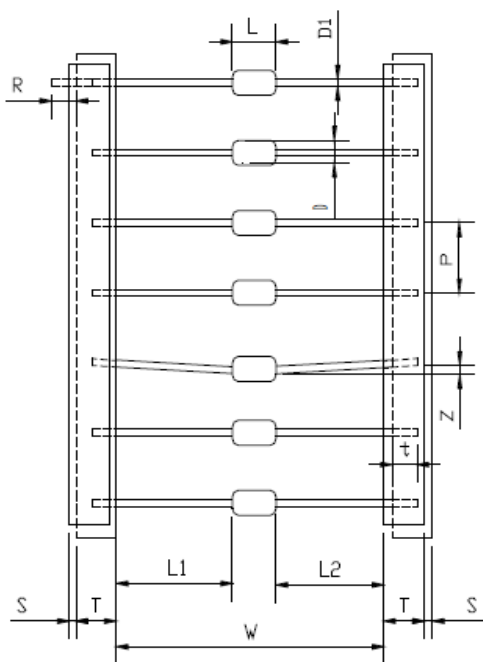
Spark Gap Protectors: SPCA Series

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■ Packaging

◎ Reel Taping : 5000pcs / Inner Box



Symbol	Dimension (mm)
W	52±1.5
P	5.0±0.5
L1-L2	1Max
T	6.0±1.0
Z	1.2Max
R	Terminal must not project from tape
t	3.2Max
s	0.8Max
D	Φ1.9Max
D1	Φ0.5±0.05
L	4.3Max

■ Warehouse Storage Conditions of product

- Storage Condition:
 - 1.Storage Temperature: -10°C ~+40°C
 - 2.Working Temperature:- 40°C ~+85°C
 - 3.Keep away from corrosive atmosphere and sunlight.
- Period of Storage: 2 year.