

# Spark Gap Protectors: SPCD-Leaded Series



## Axial Leadwire Type

### ■ Features

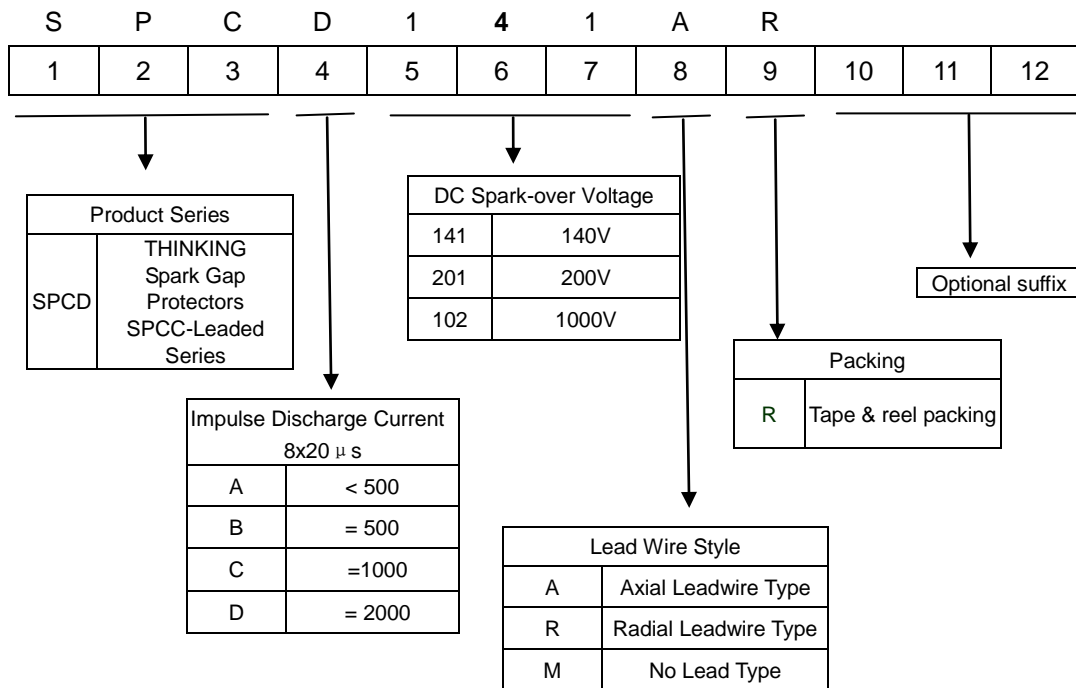
1. Small size
2. RoHS compliant and halogen-free
3. Fast response time
4. Low electrode capacitance (1pF) and high isolation (100MΩ)



### ■ Recommended Applications

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

### ■ Part Number Code

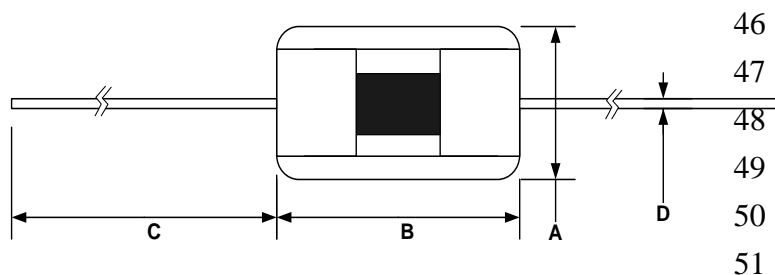


## Axial Leadwire Type

### Structures and Dimensions

#### SPCD-Leaded Series

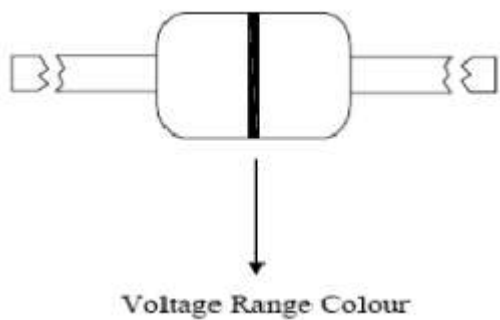
Item	Spec	Tolerance
A	Φ3.1	±0.2
B	4.3	0.5
C	28.5	3
D	Φ0.5	0.05



### Marking

#### Color Code

##### Low-Voltage Series



Type	Voltage Range Color
SPCD-141	Gold
SPCD-201	Red
SPCD-301	Orange
SPCD-401	Yellow
SPCD-501	Green

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### ■ Electrical Characteristics

Part No.	DC Spark-over Voltage	Impulse Withstanding Voltage Capacity 10x700µs	Impulse Discharge Current 8x20µs	Insulation Resistance Min. DC		Capacitance Max
	VS (V)	(KV)	(A)	IR(MΩ) Min	DC(V)	(PF)
SPCD141AR	140±30%	2	2000	100	50	1.0
SPCD201AR	200±20%	2	2000	100	100	1.0
SPCD301AR	300±20%	2	2000	100	100	1.0
SPCD401AR	400±20%	2	2000	100	250	1.0

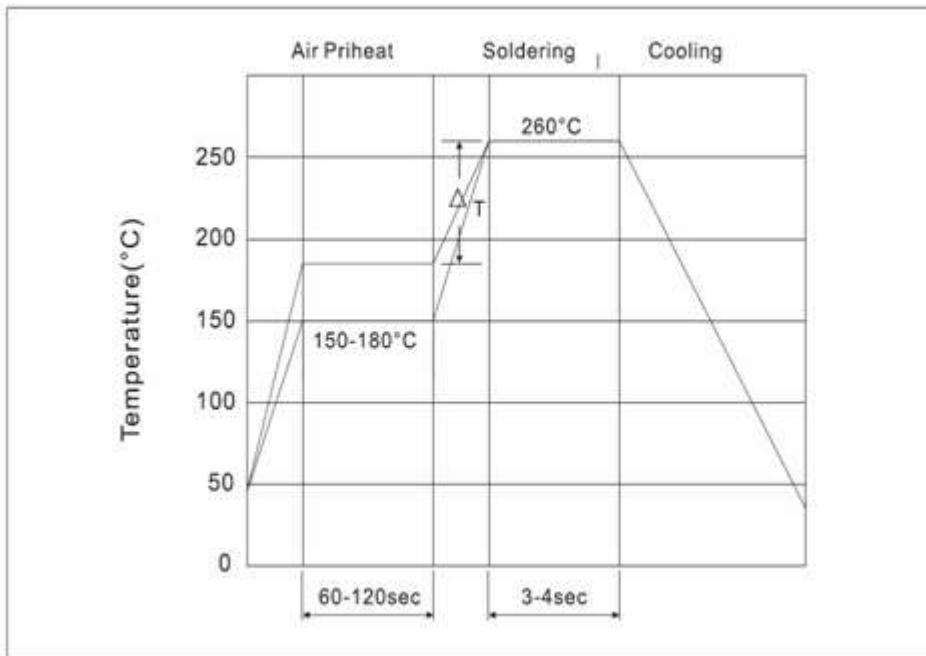
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### ■ Soldering Recommendation

#### ◎ Wave Soldering Profile



#### ◎ Recommended Reworking Conditions with Soldering Iron :

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

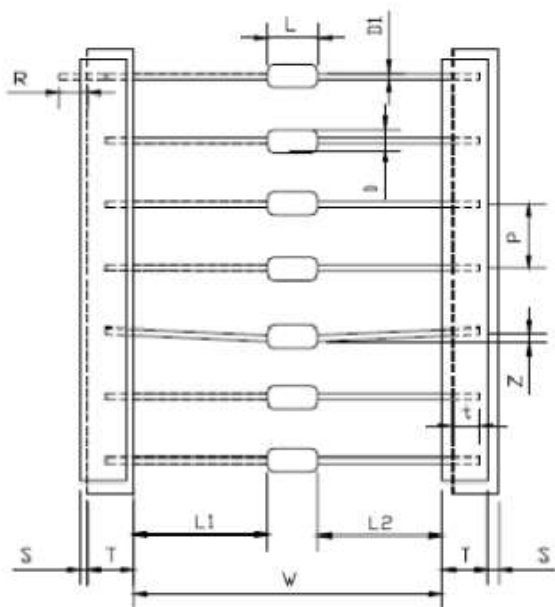
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## Axial Leadwire Type



### ■ Packaging - Axial Leadwire Type

◎ Reel Taping : 1500pcs / 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
D1	Φ0.5±0.05
L	4.8Max

### ■ 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.