



### Typical applications

- High voltage devices
- Digital multimeter
- Intelligent power-meter
- Test devices

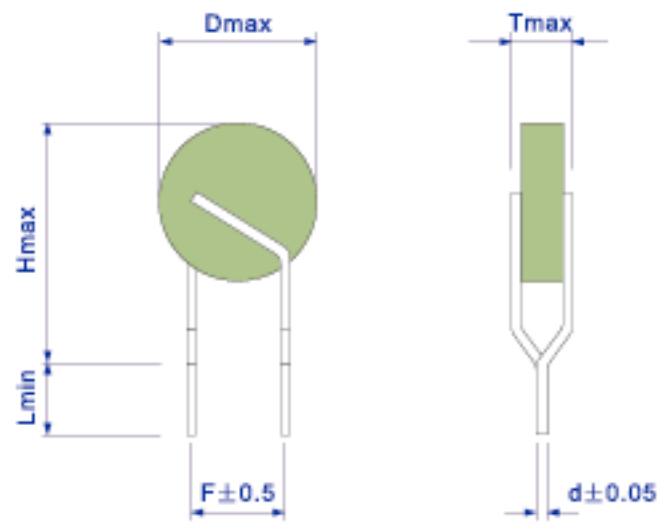
### Features

- High voltage endurance
- Unflammable coating
- Lead-free weld
- Rapid resume



### Product Dimensions(mm)

Part number	D Max.	T Max.	H Max.	L Min.	F Typ.
SCD-501-551AVNF	9.5	7.0	12.5	10.0	5
SCD-102-102ARNF	9.0	6.5	13.0	10.0	5
SCD-102-501AVNF	6.5	5.5	11.0	10.0	5
SCD-122-551ARNF	7.0	5.0	11.0	10.0	5
SCD-242-102ARNF	9.0	6.5	13.0	10.0	5
SCD-252-601ARNF	7.0	5.0	11.0	10.0	5
SCD-622-551ARNF	7.0	5.0	11.0	10.0	5
SCD-752-102AVNF	7.5	7.0	11.0	10.0	5



### Marking System

SCD	Part series
501	Resistance

- ※ This series products are allowed to be used in high-voltage circuit.
- ※ The coating materials is silox resin.
- ※ The coating can be either gray or green.
- ※ The size of the lead can meet the special requirement.

Part numbering system: **SCD-102-102ARN**  
 1 2 3 4 5 6

1. Series code	Overcurrent protection for high voltage devices
2. Resistance @25°C (Ω)	102=1000 Ω
3. Max. voltage	102=1000V
4. Product form	A. leaded disks with coating B. disk C. leaded disks without coating D. reel tape
5. T <sub>r</sub>	R:<60°C S:70°C T:80°C U:90°C V:100°C W:110°C X:120°C Y:130°C Z:≥140°C
6. Resistance tolerance	K:±10% L:±15% M:±20% N:±25% P:±30%

### Part Specification

Part number	R (25°C)	V <sub>max</sub> (V)	I <sub>H</sub> (mA)	I <sub>T</sub> (mA)	T <sub>r</sub> (°C)	I <sub>max</sub> (A)	Mark
SCD-501-551AVNF	500	550	25	55	100	0.5	SCD501
SCD-102-102ARNF	1000	1000	10	25	60	0.5	SCD102R
SCD-102-501AVNF	1000	500	12	28	100	0.5	SCD102V
SCD-122-551ARNF	1200	550	4	20	60	0.5	SCD122
SCD-242-102ARNF	2400	1000	8	23	60	0.25	SCD242
SCD-252-601ARNF	2500	600	3.5	15	60	0.25	SCD252
SCD-622-551ARNF	6250	550	2.5	6.5	60	0.25	SCD622
SCD-752-102AVNF	7500	1000	8	17	100	0.25	SCD752

- I<sub>H</sub> = Hold current: max current at which the device will not trip at 25°C still air
- I<sub>T</sub> = Trip current: min current at which the device will always trip at 25°C still air
- V<sub>max</sub> = Max voltage device can withstand without damage
- T<sub>r</sub> = Reference Curie temperature

### Package Information

- Bulk:**  
200pcs per bag
- Tape & Reel:**  
1000pcs per reel.