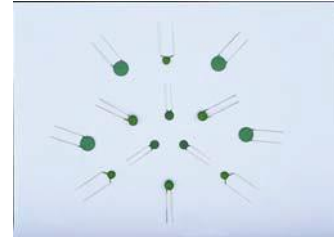


## Features

- Coated thermistor disk.
- High resistance.
- UL approval

(SCD-102-501AVN, SCD-102-102ARN, SCD-501-551AVN)



## Typical applications

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

## Product Dimensions (mm)

Part Number	Dmax	Tmax	Ftyp	Φd	Hmax*
SCD-501-551AVN	9.5	7.0	5	0.6	10.5/13.0
SCD-102-102ARN	9.0	6.5	5	0.6	10.0/12.5
SCD-102-501AVN	6.5	5.5	5	0.6	7.5/10.0
SCD-122-551ARN	7.0	5.0	5	0.6	8.0/10.5
SCD-242-102ARN	9.0	6.5	5	0.6	10.0/12.5
SCD-252-601ARN	7.0	5.0	5	0.6	8.0/10.5
SCD-622-551ARN	7.0	5.0	5	0.6	8.0/10.5
SCD-752-102AVN	7.5	7.0	5	0.6	8.5/11.0

\*Fig1/Fig2

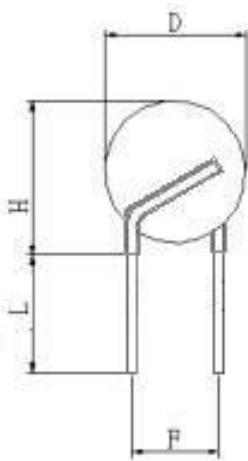


Fig1

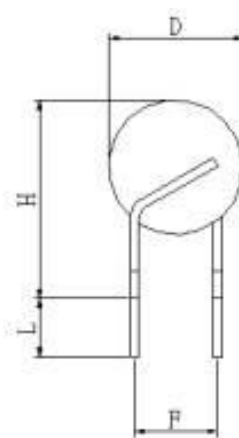


Fig2



## Electrical Characteristics

Part Number	R (25°C)	Vmax (VAC)	I <sub>H</sub> (mA)	I <sub>T</sub> (mA)	T <sub>f</sub> (°C)
SCD-501-551AVN	500	550	25	55	100
SCD-102-102ARN	1000	1000	10	25	60
SCD-102-501AVN	1000	500	12	28	100
SCD-122-551ARN	1200	550	4	20	60
SCD-242-102ARN	2400	1000	8	23	60
SCD-252-601ARN	2500	600	3.5	15	60
SCD-622-551ARN	6250	550	2.5	6.5	60
SCD-752-102AVN	7500	1000	8	17	100

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. Vmax = Max voltage device can withstand without damage.

T<sub>c</sub> = Curie temperature.

## Part Numbering System

SCD – 501-551 A V N

1 2 3 4 5 6

1. SCD: SCD series
2. 501: 500ohm,
3. 551: Max. voltage 550 V
4. A: Coated, B: Disk, C: Uncoated
5. Curie temperature: T=80°C, U=90°C, V=100°C, W=110°C, X=120°C, Y=130°C, Z=140°C
6. L: ±15%, M: ±20%, N: ±25%

## Package Information

Bulk: 200pcs per bag.

Tape & Reel: 1000pcs per reel.

Warning:

Use thermistors only within the specified temperature operating range.

Use thermistors only within the specified voltage and current ranges.

Environmental conditions must not harm the thermistors. Use thermistors only in normal atmospheric conditions. Avoid use in deoxidizing gases (chlorine gas, hydrogen sulfide gas, ammonia gas, sulfuric acid gas etc), corrosive agents, humid or salty conditions. Contact with any liquids and solvents should be prevented