

**Ceramic  
 PTC Device**

*R-line thermistors*

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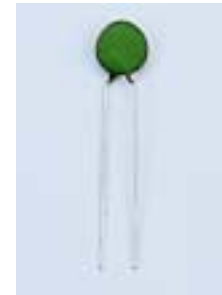
**SCD-102-501AVN**

**Features**

- Radial leaded devices
- Flame retardant silicon resin insulating material meets UL94 V-0 requirements
- Lead-free soldering
- Rapid switching and rapid resuming

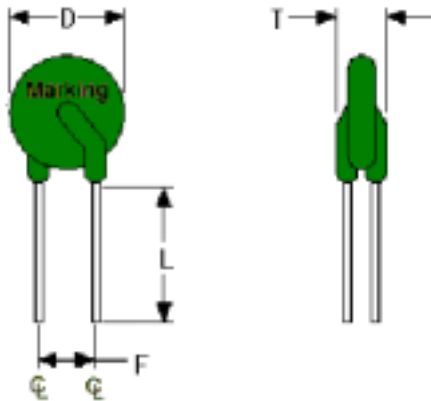
**Typical Applications**

- High voltage electric implement
- Digital multimeter
- Intelligent power-meter
- Test equipment



**Product Dimensions (mm)**

Part number	D	T	F	L	Lead
	Max.	Max.	Typ.	Min.	Size( )
SCD-102-501AVN	6.5	5.5	5.0	10.0	0.6



**Mark**

**SCD-Product family**

**102-Resistance Value**

\* Lead materials: Tin-plate metal wire.

**Electrical Characteristics**

Part number	R(25 ) ( )	V <sub>max</sub> (V <sub>Ac</sub> )	I <sub>H</sub> (mA)	I <sub>T</sub> (mA)	T <sub>f</sub> ( )	I <sub>max</sub> (A)
SCD-102-501AVN	1000 ± 25%	500	12	28	100	0.5

R(25 )=Device resistance at 25 .

V<sub>max</sub>=Maximum voltage device can withstand without damage at rated current.

I<sub>H</sub>=Hold current: maximum current at which the device will not trip at 25 still air.

I<sub>T</sub>=Trip current: minimum current at which the device will always trip at 25 still air.

T<sub>f</sub>=Curie Point.

I<sub>max</sub>=Maximum fault current device can withstand without damage at rated voltage.

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

**1. Series code**

**2. Resistance @25 ( )** 2 significant digits + multiplier e.g: 102=1000

**3. Max. voltage** 2 significant digits + multiplier e.g : 102=1000V

**4.Product form** A. leaded disks with coating B. disk C. leaded disks without coating D. reel tape

**5. Tf** R:<60 S:70 T:80 U:90 V:100 W:110 X:120 Y:>120

**6. Resistance tolerance** K: ± 10% L: ± 15% M: ± 20% N: ± 25% P: ± 30%

**Package Information**

Bulk: 200pcs per bag.