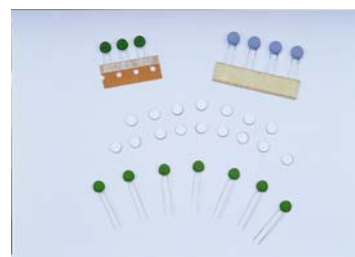


SCA series

R-line devices

Features

- ✧ Coated thermistor disk.
- ✧ High voltage.
- ✧ Great current.
- ✧ Lead-free.
- ✧ TUV approval



Product Dimensions

Part number	Dmax mm	Tmax mm	F mm	d mm	Fig
SCA-100-251ATM	9.5	5.0	5.0	0.6	1
SCA-200-251ATM	9.5	5.0	5.0	0.6	1
SCA-300-301ATM	9.5	5.0	5.0	0.6	1
SCA-350-261ATM	9.5	5.0	5.0	0.6	1
SCA-400-381ATM	9.5	5.0	5.0	0.6	1
SCA-500-381ATM	9.5	5.0	5.0	0.6	1
SCA-550-651ATM	10.0	5.0	5.0	0.6	1
SCA-250-261CTM	9.0	5.0	4.0	0.5	2
SCA-350-261CTM	9.0	5.0	4.0	0.5	2
SCA-500-261CTM	9.0	5.0	4.0	0.5	2
SCA-400-381EVM	9.0	4.5	5.0		3
SCA-500-381EVM	9.0	4.5	5.0		3

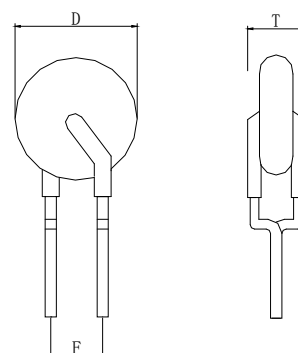


Fig. 1

Part number	h Max	l Max	w Max	l1 Min	l2 Typ	Ddisc Size(φ)	Fig
SCA-100-261DM-1.0B	11.5	11.0	9.0	2.6	5.0	7.0	4
SCA-350-261DM-1.0B	11.5	11.0	9.0	2.6	5.0	7.0	4
SCA-500-261DM-1.0B	11.5	11.0	9.0	2.6	5.0	7.0	4

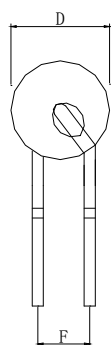


Fig. 2

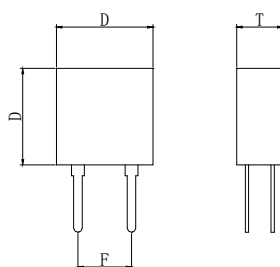


Fig. 3

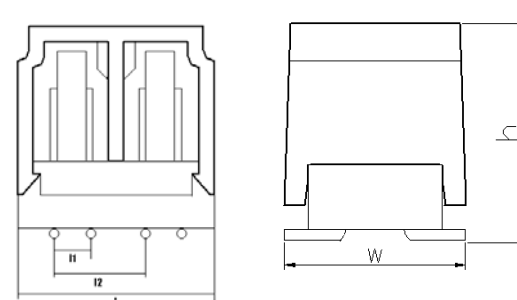


Fig. 4

Electrical Characteristics

Part number	R (25℃)	V _{max} (VAC)	I _H (mA)	Responding Time (s) 1A→0.5A	Over current	Surge current	Power induction	Failure mode	Agency Recognition	Fig
SCA-100-251ATM	10	220	150	5.0	I	I	/	I		1
SCA-200-251ATM	20	250	110	3.0	II	I	/	II		1
SCA-300-301ATM	30	300	80	1.2	II	II	I	II		1
SCA-350-261ATM	35	300	80	1.2	II	II	I	II		1
SCA-400-381ATM	40	380	70	0.65	II	II	I	II		1
SCA-500-381ATM	50	380	60	0.5	II	II	I	II		1
SCA-550-651ATM	55	650	60	0.65	II	III	II	III		1
SCA-250-261CTM	25	265	100	3.0	II	II	I	II	TUV	2
SCA-350-261CTM	35	265	80	3.0	II	II	I	II	TUV	2
SCA-500-261CTM	50	265	60	3.0	II	II	I	II	TUV	2
SCA-400-381EVM	40	380	70	0.65	II	II	I	II		3
SCA-500-381EVM	50	380	60	0.5	II	II	II	II		3
SCA-100-261DM-1.0B	10	265	180	3.8	II	II	I	II		4
SCA-350-261DM-1.0B	35	265	110	1.1	II	II	I	II		4
SCA-500-261DM-1.0B	50	265	90	0.8	II	II	I	II		4

● **I_H** = Hold current: max current at which the device will not trip at 25℃ still air.

● **I_T** = Trip current: min current at which the device will always trip at 25℃ still air.

● **V_{max}** = Max voltage device can withstand without damage.

● **T_f** = Reference Curie temperature.

● **Over current** ($\Delta R\% \leq 10\%$) : I : 220V, 2A, 30min, one time II : 250V, 3A, 60s on, 600s off, ten times

● **Surge current** ($\Delta R\% \leq 30\%$) : I : 10/310 μ s, 1.5KV, 3min off, ten times II : 10/750 μ s, 1.5KV, 1min off, thirty times

III: 10/1000 μ s, 1.5KV, 1min off, 30 times

● **Power induction** ($\Delta R\% \leq 20\%$) : I : 600V, Rs 600 Ω , 1s on, 60s off, 5 times II : 650V, Rs 600 Ω , 1s on, 60s off, 10 times

● **Failure mode** (no arcing or burning) : I : 220V, Rs 10 Ω , 30min II : 380V, Rs 10 Ω , 30min III: 650V, Rs 10 Ω , 30min

Part numbering system

SCA - 550 - 651 A T M
1 2 3 4 5 6

1. SCA: SCA series
2. 550: 55ohm
3. 651: Max. voltage 650 V
4. A: Coated, B: Disk, C: Uncoated, E: Encased, F: SMD
5. Curie temperature, S:70, T:80, U:90, V:100, X:120, Y:130
6. L: $\pm 15\%$, M: $\pm 20\%$, N: $\pm 25\%$

Package Information

Bulk: 200pcs per bag.

Tape & Reel: 1000pcs per reel.