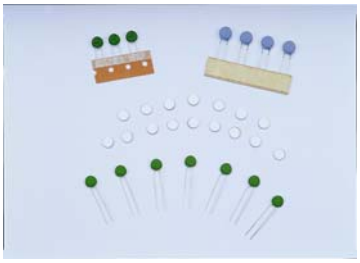
SCA *Series (Rev:B)* *R-line devices*

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

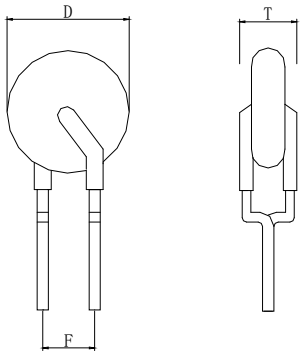


Fig. 1

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

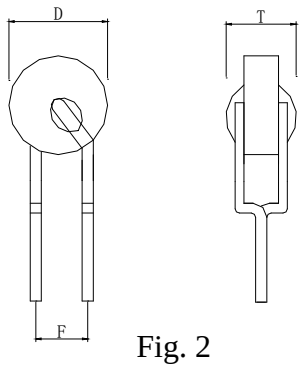


Fig. 2

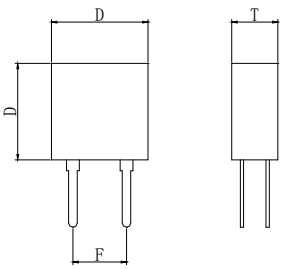


Fig. 3

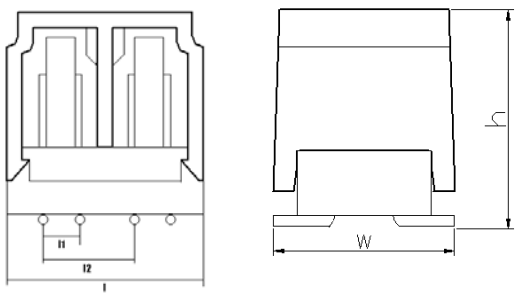


Fig. 4

Electrical Characteristics

Part number	R (25℃)	Vmax (VAC)	IH (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**（△R%≤10%）：Ⅰ：220V， 2A， 30min，one time Ⅱ：250V， 3A， 60s on， 600s off， ten times
- **Surge current**（△R%≤30%）：Ⅰ：10/310μs，1.5KV，3min off，ten times Ⅱ：10/750μs，1.5KV，1min off, thirty times
  Ⅲ：10/1000μs，1. 5KV， 1min off，30 times
- **Power induction**（△R%≤20%）：Ⅰ：600V，Rs 600Ω，1s on，60s off, 5 times Ⅱ：650V，Rs 600Ω，1s on，60s off, 10 times
- **Failure mode**（no arcing or buring）：Ⅰ：220V，Rs 10Ω，30min Ⅱ：380V，Rs 10Ω，30min Ⅲ：650V，Rs 10Ω，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: ±15%, M: ±20%, N: ±25%

Package Information

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

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