



DOC.No.: SQT2.50L

INDIVIDUAL SPECIFICATION SHEET

Part Number: SQT2.50L

Revision: D









SQT*L 250V**

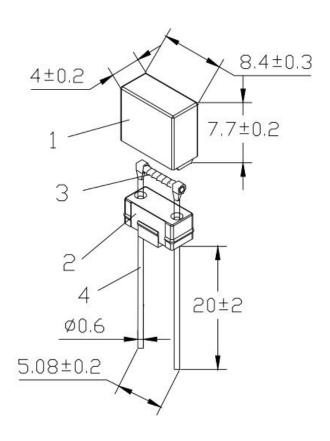
1 Scope of application

This product is suitable for various kinds of electronic machines to work for over current protection.

2 Relevant Standards and Certification

2.1 Standards: IEC60127-3 GB/T9364.3

3 Structure and Size (unit: mm)



4 Material Details

No.	Part Name	Material
1	Case	PA66 (UL94-V0)
2	Base	PA66 (UL94-V0)
3	Fuse element	Alloy
4	Lead wire	Tinned copper wire



5 Marking

The fuse shall have the following marking:

Time-lag Symbol: T Ampere rating: A Voltage rating: 250V

Series No.: SQT

Approved Symbol: Approved Symbol:

T_A 250V

Note: Size and position of the markings shall not be provided.

6 Appearance

6.1

There shall not be any remarkable stain, rust or crack on the appearances.

6.2

Marking shall be easily legible.

7 Mechanical characteristics

Exert the axial pulling force of 10N to the both ends of lead wire for 1 minute. After the test the fuse shall be no damage and loosening.

8. Voltage Drop

The voltage drop across the fuse-link at their rated current shall not exceed the maximum values is in Follows.

Model	Rated Current	Rated Voltage	Maximum Voltage Drop(mv)	Breaking Capacity
SQT2.50L	2.5A	250VAC	100	100A250V AC

9. Electrical characteristics

9.1 Test condition

All electrical characteristics tests are conducted at an ambient temperature of 25±5°C.



9.2 Interrupting rating test

The fuse interrupting capacity : 35A or 10 times the rated current whichever is greater. After interrupting, the insulation resistance between the fuse terminations shall be not less than $0.1M\Omega$.

9.3 Temperature Rising Test

Temperature Rising Test: The rated current of 1.5 times is applied for 15 minutes. After the first 15 minutes, the current is increased by 0.1 times the rated current every 15 minutes until the fuse operates. The temperature rising on the fuse surface is not higher than 135° C.

Note: Temp. rise = Fuse temp. - Ambient temp.

9.4 Time-Current Characteristics

% of ampere rating	Opening time
150%	1H Min
210%	2 min Max
275%	400 ms~10 s
400%	150 ms∼3 s
1000%	20 ms~150 ms

9.5 Endurance test

A ampere rating specified in the relevant standard sheet is passed through the fuse for a period of 1h. The current is then switched off for a period of 15 minutes. This cycle is repeated 100 times. After the test the fuse shall be no damage and loosening.

9.6 Soldering parameters

9.6.1

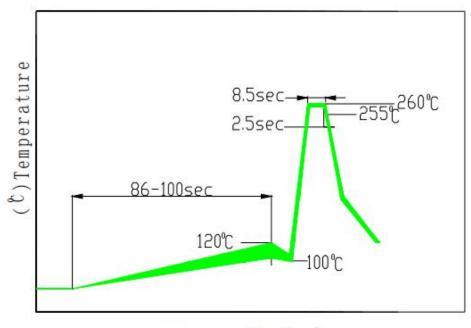
Wave soldering 260 °C,10 sec. Maximum

9.6.2

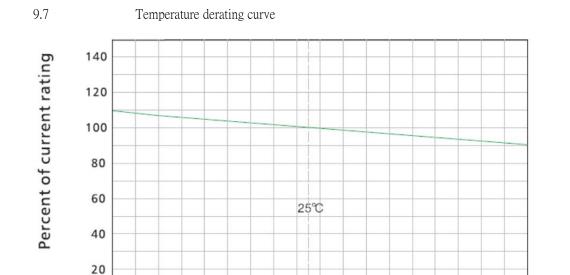
Manual soldering 370°C, 5 sec. Maximum

9.6.3





Time(sec)



Ambient temperature

20℃

40°C

60℃

80℃

100℃ 120℃

9.8 Breaking Capacity

-40℃

-60°C

after this test, there shall be not damaged or shattered of the square thermoplastic cap.

0℃

-20℃

Environmental characteristicsOperating Temperature

-55°C ~125°C ∘

10.2 Storage Conditions

Relative humidity ≤75%, store 3 years.



11 Packing

11.1

500 fuses per plastic bag, 4 plastic bags per inner box, 10 inner boxes per external carton. (The actual case in accordance with the customer order)

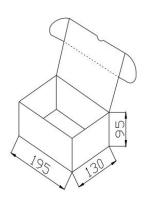
11.2

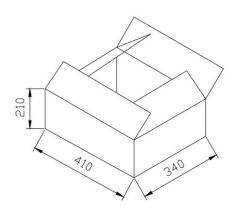
The product is compliant with RoHS Directive

11.3

Inner Packaging Box

Master Carton





Qty Per Box 200	Opcs Qty Per Carton	20000pcs
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