

## SPECIFICATION FOR APPROVAL

**CUSTOMER'S APPROVAL CHOP**

Approval's condition: \_\_\_\_\_

Approved date: \_\_\_\_\_

KINDLY RETURN A SET WITH YOUR COMPANY'S OFFICIAL STAMP  
ON APPROVAL OF THIS ITEM

**CUSTOMER'S NAME :** \_\_\_\_\_

**CUSTOMER'S MODEL NO :** \_\_\_\_\_

**CUSTOMER'S PART NO. :** \_\_\_\_\_

**DESCRIPTION :** PTC thermistor for overcurrent protection

**Semitel'S MODEL NO. :** SCT100F

**VERSION :** A

**DATE :** 2016.9.29

**Attachments:**

- Product specification
- Sample Qty.:

Prepared By	Checked By	Approved By
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**7. Electrical Characteristics:**

No.	Parameter	Test Condition	Requirement
1	Rated Resistance	5 °C	10 ± 0.5% Resistance match in in using 1.0
	Low Current Characteristic	5± °C, DC60, on 1.0m electrical 1	Low resistance / n 50 In refers to rated zero power resistance
3	operating Current	±5 °C, DC60, on 360m	≤
		( ) limit current ( )	Maximum operating Time (s)
		1 0.5	≤
			≤
		± °C, Short Circuit Current ripple 10/1000 μs Minimum shut down circuit voltage 1.0, Short circuit peak current, Alternation time: 3min/cycle 30times	( I <sub>1</sub> ) / I <sub>1</sub> ≤
		, cycle: 0 times	( I <sub>1</sub> ) / I <sub>1</sub> ≤
			( I <sub>1</sub> ) / I <sub>1</sub> ≤
		, once	Circuit disconnected or in resistance is allowed low resistance or wire is not allowed.

Notice:

1. Before the test all the test samples should be tested under the temperature condition of 5 °C and be kept for 30min under such temperature before test.

2. For the test of Capacity of surge current resistance capacity of a.c current resistance capacity of voltage resistance in validation mode test the samples should be kept at temperature condition of ±5°C for 4 hours and then test its resistance.

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### 8. Environment test

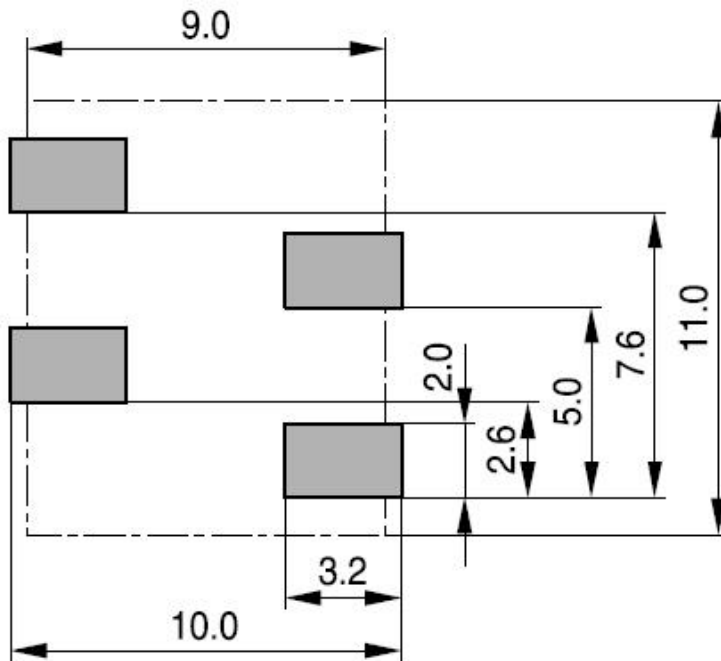
No.	Item	Test condition	Requirement
1	Intensity of the down-lead	Add the axial stress on the down-lead of the sample gradually until 4.9N and last for 10s, then measure the value of its resistance.	( 1 ) / 1 ≤
		°C, immer in time is 0.5s	Tinnin must e well a ter testin .
3	Resistance of solder in heat	Solder at : t e temperature 350°C immer in time is 3.5 0.5s measure t e alue o its resistance	( 1 ) / 1 ≤
			( 1 ) / 1 ≤
			( 1 ) / 1 ≤
		°C and umidity o 90 95 and keep or rs Measure t e alue o its resistance.	( 1 ) / 1 ≤
		°C and last or , Measure t e alue o its resistance.	( 1 ) / 1 ≤
		°C and last or . Measure t e alue o its resistance.	( 1 ) / 1 ≤
		°C, i temperature 70°C, e posin or 30min transfer or minute, circulate or 5 times, measure t e alue o t eir resistance.	( 1 ) / 1 ≤

The samples shall be put under normal pressure and 10°C or higher after the test. and then check the value of its resistance.

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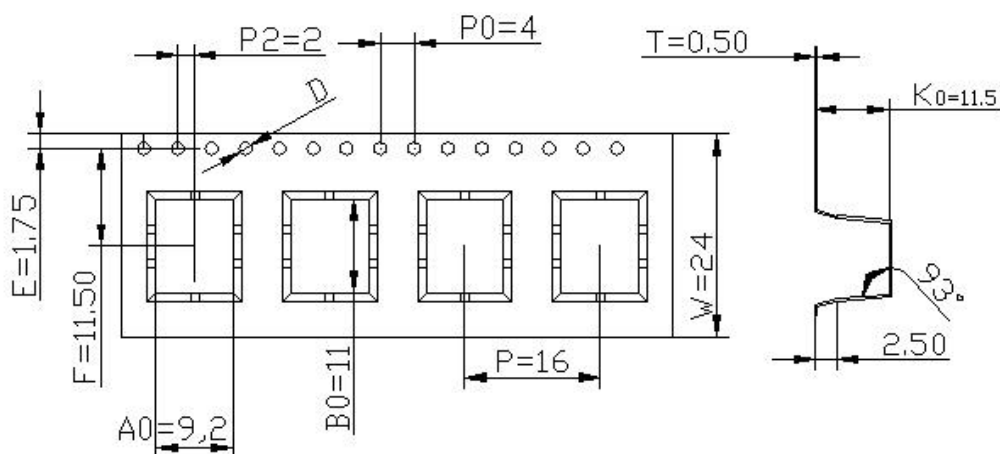
### 9. Ecommended solder pad layout

unit mm .



### 10. Packaging

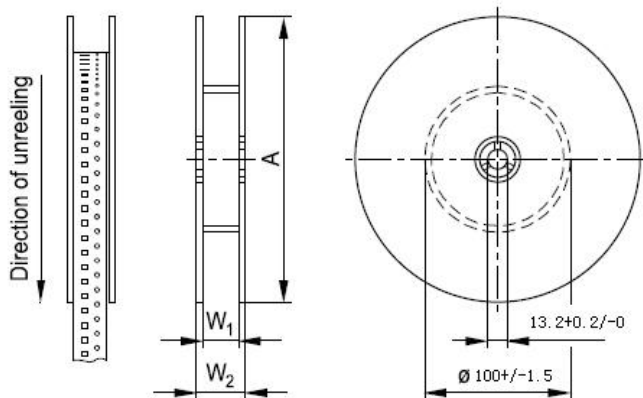
Blister tape, 350PCS/reel in.



ITEM	DIM
W	24.00±0.5
A <sub>0</sub>	9.20±0.2
B <sub>0</sub>	11.00±0.2
K <sub>0</sub>	11.50±0.2
E	1.75
F	11.50
P	16.00
P <sub>0</sub>	4.00
P <sub>2</sub>	2.00
D	∅1.50

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**Reel packing for 24-mm tape**



**24-mm tape**

Dimension	330 -mm reel
A	330 -2/+0
W <sub>1</sub>	24.4 min.
W <sub>2</sub>	30.4 max.

**11. Storage**

The production should be in the environment of good ventilation. The indoor temperature is -10°C ~ 55°C, and the relative humidity is ≤ 5% (at 5°C), without acid, alkali and other harmful impurity.

Storage period: 1 years

**12. Transportation**

Packing products adapts modern transportation vehicle.

**13. Introductions**

13.1 We should inform customer in advance and get approval if there is an change in an design, process, materials and other aspects which will might impact on device performance.

13.2 It must be recognized by Development Department before updating the Specification.

13.3 Power of interpretation for this specification belongs to Development Department.

13.4 If there is an controversy between both sides of supplier and demander, this specification is arbitration.

13.5 To ensure that both sides of supplier and demander communicate and solve the questions quickly, please inform our company as soon as you have an doubt to the specification.

13. Please send back the specification after you receive it. The address is on the cover of this specification. If you place the purchase order without passing back, it is deemed to have your confirmed to this specification.

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