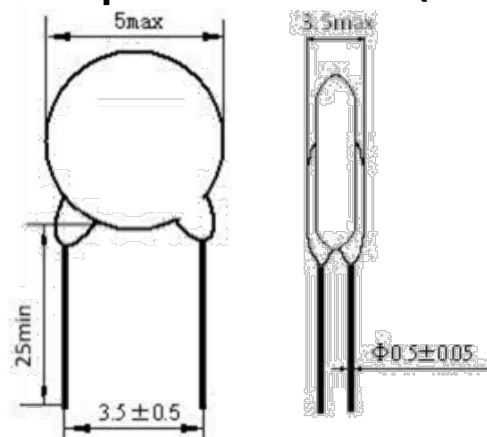


1. Shape & Dimensions (mm)



Electrode Material: Silver
Welding Materials: Tin-silver alloy
Encapsulation Material: Silicone, green, flammability 94V-0
Lead Material: Tinned copper wire

2. Electrical Characteristics

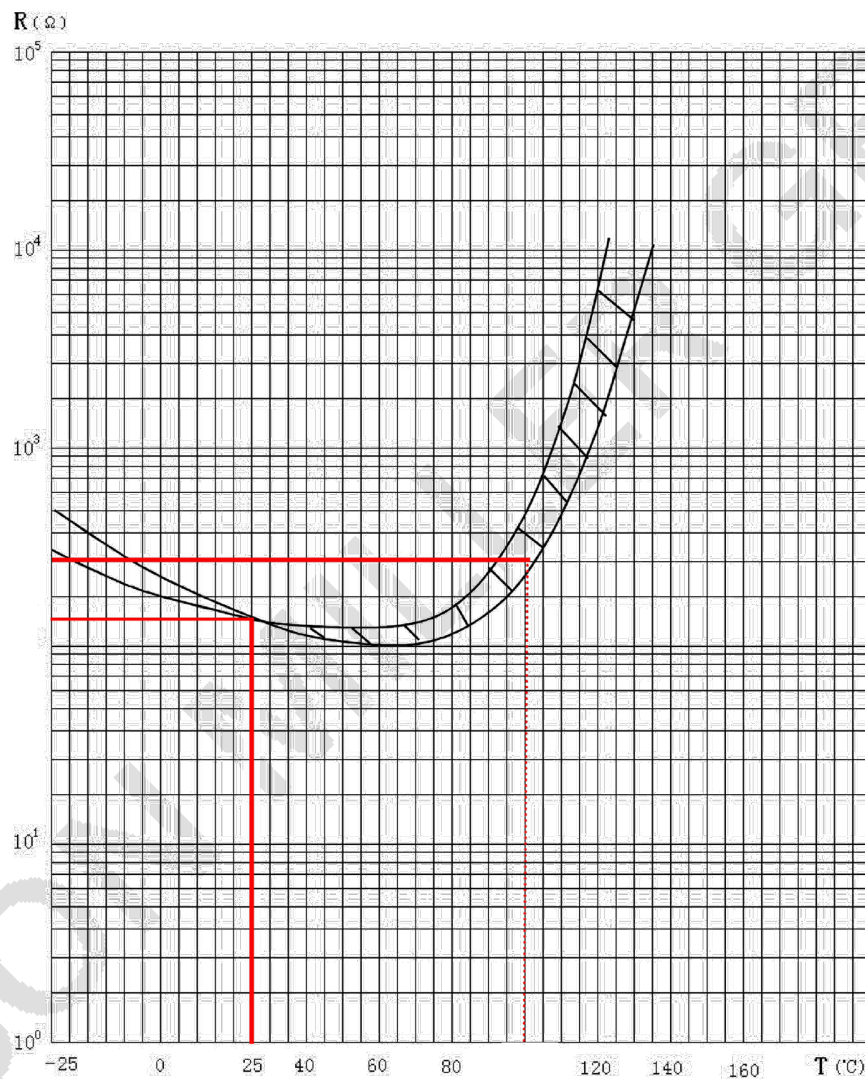
Item	Specification	Test Method
Max Voltage	Umax=30V	
Curie Temperature	100°C	
Sensing Temperature	TK=115°C	
TK Tolerance	±5°C	
Operating Temperature	0 - 140°C	
Normal Resistance	R25≤330Ω	At room temperature 25°C ± 2°C condition measurement, measuring voltage <DC2.5V.
TK-5°C Resistance Values	RTK-5≤1500Ω	In the high-temperature oil bath, with a digital multimeter measurements. Measure the voltage ≤ DC2.5V.
TK+5°C Resistance Values	RTK+5≥2200Ω	In the high-temperature oil bath, with a digital multimeter measurements. Measure the voltage ≤ DC2.5V.
TK Action Time	TD<5s	Use a timer to measure

3. Other Properties

Item	Specification	Test Method
Exterior	Encapsulation layer surface should be smooth, no blisters, bubbles; electrode lead-free oxidation, corrosion; signs clear and firm	Visual inspection
Weldability	The infiltration part tin evenly on the tin area > 95%	Ta test conducted by GB2423.28 using solder bath method, the electrode lead dip flux, 4mm immersed in liquid tin at 230°C for (Sn63Pb37), and maintained 3s ~ 5s
Resistance to Soldering Heat	Resistance change rate ≤ ± 20%	Tb test conducted by GB2423.28. Method using solder bath immersion time 10s ± 1s, at 25°C ± 2°C condition, recovery is measured after 4h ~ 5h
Electrode lead Wire Strength	Resistance change rate ≤ ± 20%	Rally: 5N maintain 10s, Bending: two successive each direction (90°), Twist: twice (90°), Measured recovery 4h ~ 5h at room temperature 25°C ± 2°C conditions

(continued)

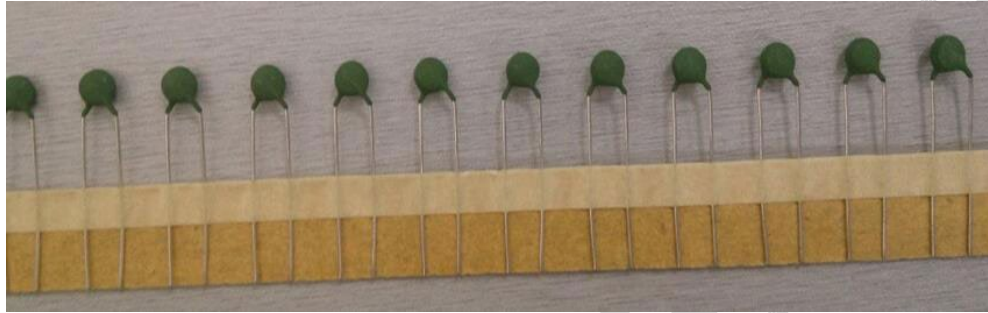
4. Resistance Temperature Characteristic Curve



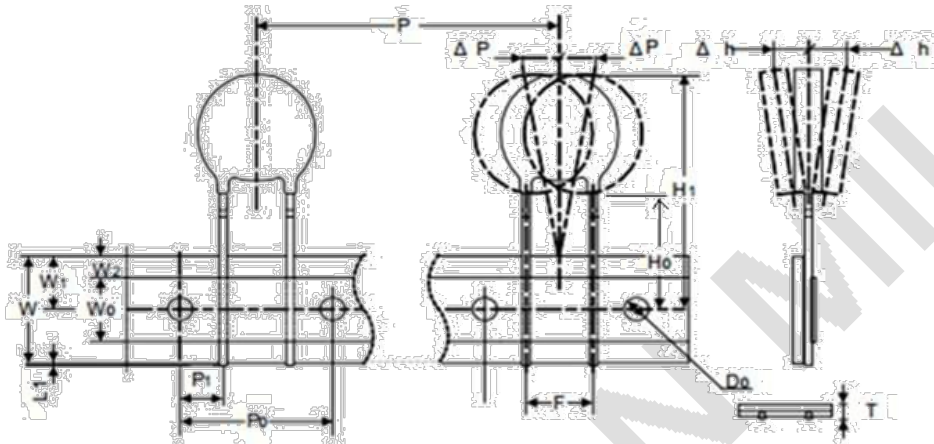
(continued)

5. Package

A. Standard Cardboard Strip



B. Tape and Reel (2000 pcs in each reel)



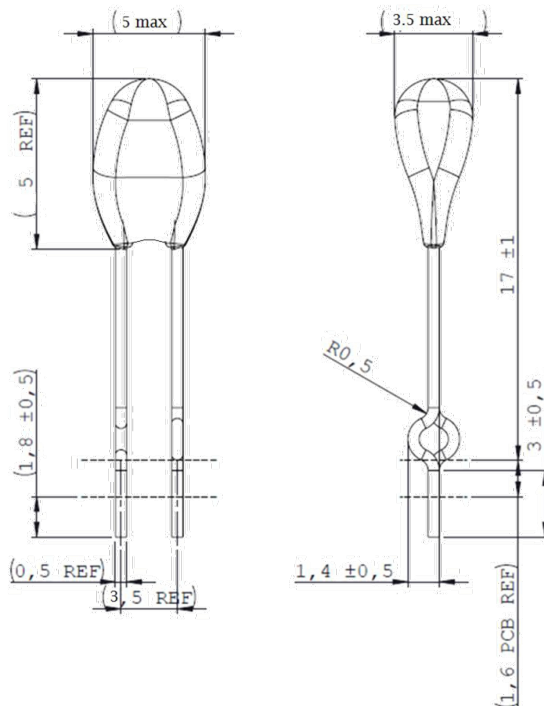
Parameter List (Unit: mm)

Index	Parameter	Nominal Dimensions	Tolerance
F	Lead Spacing	3.5	±1
P ₀	Sprocket Hole Pitch	12.7	±0.3
P ₁	Ordinate to Adjacent Component Lead	5.10	±1
P	Device Pitch	12.7	±1
H ₀	Abscissa to Plane (Straight Leads)	22	±1
H ₁	Abscissa to Top	29.5	Max.
W	Carrier Tape Width	18	±1
W ₀	Hold-Down Tape Width	12	±1
W ₁	Sprocket Hole Position	9	±1
W ₂	Top Distance Between Tape Edges	3	Max.
ΔP	Body Tape Plane Deviation	1	Max.
Δh	Body Lateral Deviation	2	Max.
L ₁	Lead Protrusion	0.5	Max.
D ₀	Sprocket Hole Diameter	4	±0.2
T	Tape Thickness	0.5	±0.2

(continued)

5. Package (continued)

C. Preformed Lead in Bulk Package



Packaging boxed (325 × 225 × 285 / corrugated board thickness 3mm)
 Label top right corner of the front end of the carton with part number, quantity, and date code.

6. Quality Acceptance Criteria

Sampling Inspection by GB/T2828.1-2003 "Sampling procedures for inspection - Part 1: by acceptance quality limit (AQL) sampling plan to retrieve batch testing", a normal check sampling program.

No.	Test Item	Index No.	Inspection Level	AQL Value
1	Exterior	3.3	II	0.65
2	Dimensions	3.1	II	0.65
3	Normal Resistance	3.2	II	0.65
4	TK-5°C Resistance Values	3.2	S-3	2.5
5	TK +50°C Resistance Values	3.2	S-3	2.5
6	TK Action Time	3.2	S-3	2.5

7. Environmental Conditions

- Ambient Temperature: -25°C~+140°C
- Relative Humidity: ≤95% (40°C)
- Atm. Pressure: 86kPa~106kPa
- Vibration Frequency: 10Hz~55Hz
- Acceleration: 98m/s²

8. Precautions

PTC Thermistor Precautions when Using:

- Please read the specifications before using this product.
 When using this product, please pay special attention to precautions for safety design.