

## ET2E Series NTC THERMISTOR

The ET2E series is insulation coating wire NTC thermistor, also known as copper enamelled wire NTC thermistor. The fast electronic thermometer sensor is a component that meets the requirements of electronic thermometer manufacturers to produce fast electronic thermometers. The temperature of the measured object can be sensed within 1 second. The body temperature test may be completed in 5 seconds.



### FEATURES:

- Good insulation and fast thermal conductivity
- Small size and light weight
- High stability and annual drift rate of the resistance value is within 0.03%
- Good Interchangeability and consistency
- The wire can be moderately bent

### APPLICATIONS:

- Electronic thermometer, medical equipment, medical equipment
- Temperature meter, temperature recorder, electronic heating toy
- Mobile power temperature measurement, aluminum battery protection board
- Home appliance control panel

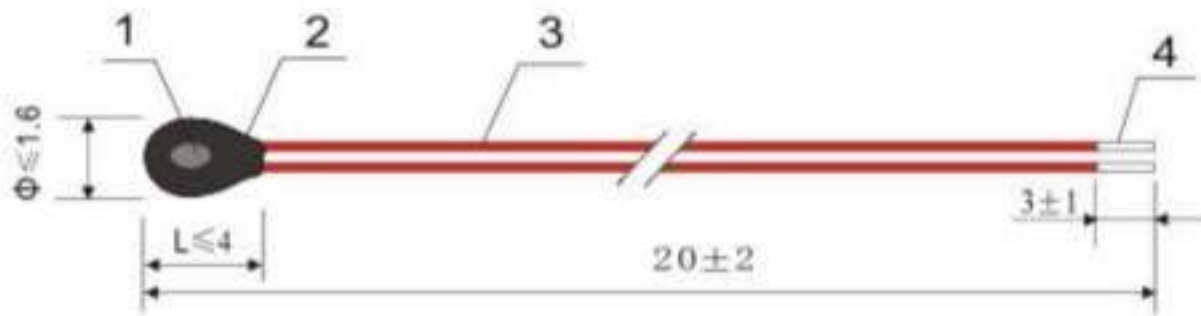
### OPTIONS:

- Alternative Bead size : OD1.2mm-OD2.0mm
- Alternative Enamelled wire diameter:  $\Phi$ 0.18mm,  $\Phi$ 0.3mm
- Alternative parameter: 22k3150, 30k3150, 150k3250, 1k4100, 2.2k4100, 68k3800, 100K4200, 250K4850
- The wire length and bead size can be specified by the customer.

## ET2E Series NTC THERMISTOR

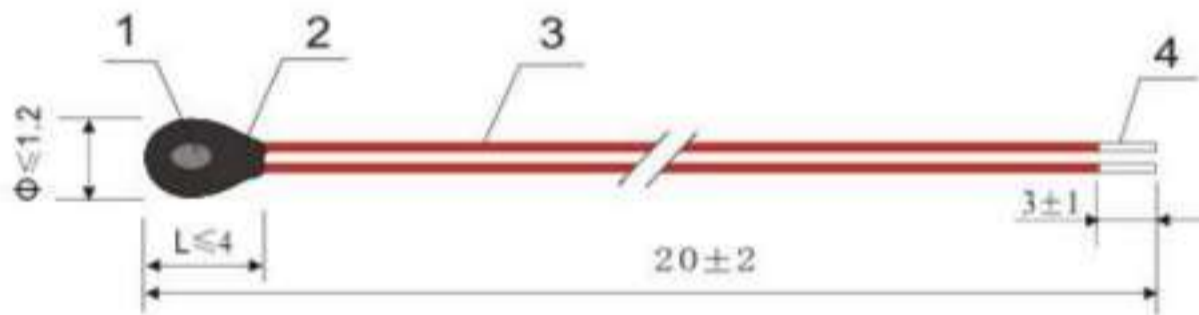
### DIMENSIONS (mm):

#### ET2E1:



Number	Material & Spec.
1	Thermistor chip
2	Epoxy resin (black)
3	Enamelled Wire $\phi 0.3\text{mm}$
4	Tinned $3 \pm 1\text{mm}$

#### ET2E2:



Number	Material & Spec.
1	Thermistor chip
2	Epoxy resin (black)
3	Enamelled Wire $\phi 0.18\text{mm}$
4	Tinned $3 \pm 1\text{mm}$

### ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
ET2E	$\geq 0.7$	$\leq 5$	$-30^{\circ}\text{C} \sim 100^{\circ}\text{C}$

### PACKAGING:

Packaging Option	Standard Quantity
Bulk	500pcs/bag

## ET2E Series NTC THERMISTOR

### ORDERING CODE:

ET2 E1 R25 103 F 3435 F B L20

①      ②      ③      ④      ⑤      ⑥      ⑦      ⑧      ⑨

① **ET2:** Epoxy Coated Insulation Wire Thermistor

② **Lead type:**

<b>E1:</b>	<b>OD0.3 Enameled Wire</b>
<b>E2:</b>	<b>OD0.18 Enameled Wire</b>
<b>E3:</b>	<b>OD0.25 Enameled Wire</b>

③ **Rated temperature:** 25°C

④ **Resistance value at rated temperature( unit: K) :** 10k

⑤ **Resistance tolerance:** F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑥ **Beta value( unit: K) :** 3435

⑦ **B value tolerance:** F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑧ **B value temperature code:** B

A	B	C	D	E	F	G	H	M	N	X
25/50	25/85	0/25	0/50	0/100	0/80	25/100	-18/25	-20/25	5/25	others

⑨ **Wire length(mm):** 20