

ET1C Series NTC THERMISTOR

The ET1C series NTC thermistors are small size epoxy coated sensing devices with additional epoxy on the leads. With good heat resistance and stability, they are suitable for automotive temperature sensors.



FEATURES:

- High Long term reliability and stability
- Two coating layer protect chip from physical shock and moisture
- Coating on lead performing a good insulation property and preventing moisture which could be flow in through lead wire. If it is applied for protect tube sensor, it shows a good insulation and good withstand voltage properties

APPLICATIONS:

- Vehicle temperature sensors: water temperature sensor, coolant temperature sensor, air temperature sensor, oil temperature sensor, etc.
- Fire alarm

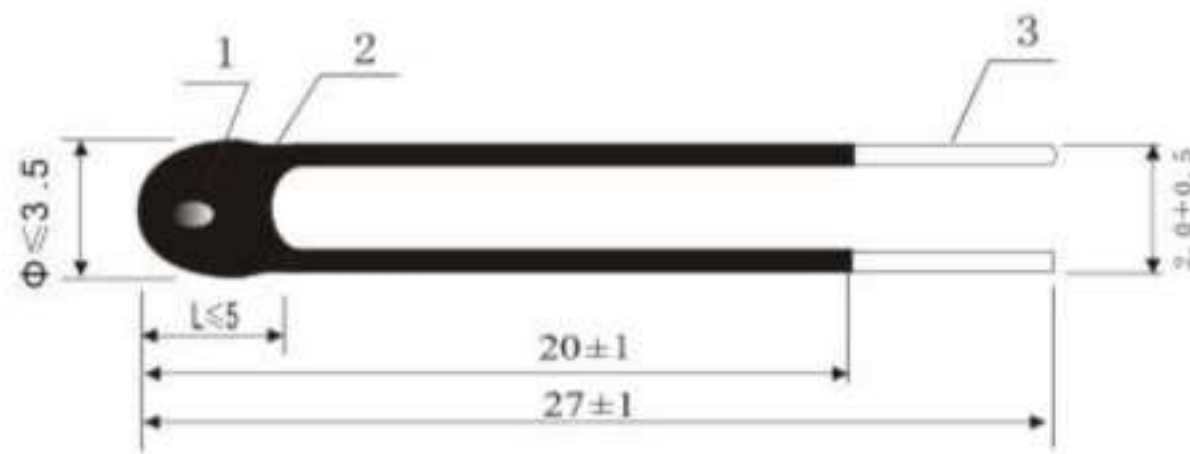
OPTIONS:

- Alternative coating length of wire : 12mm-20mm
- Alternative CP wire diameter: OD0.4, OD0.5
- Alternative parameter: R80=0.309k±3%, B25/50=3600±1%
R80=0.327k±3%, B25/50=3470±1%
R80=0.265k±3%, B25/50=3950±1%
R25=1M±3%, B25/85=4600±2%

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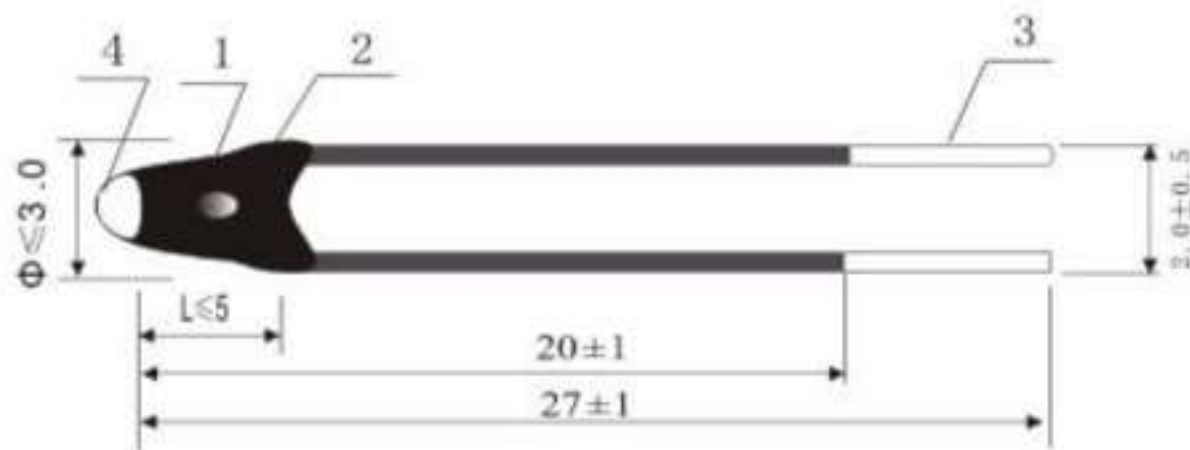
DIMENSIONS (mm):

ET1C1:



Number	Material & Spec.
1	Thermistor chip
2	epoxy resin (black)
3	Φ0.4 CP wire

ET1C2:



Number	Material & Spec.
1	Thermistor chip
2	epoxy resin (black)
3	Φ0.4 CP wire
4	White spot epoxy resin

ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
ET1C	≥1.7	≤16	-40°C~125°C

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PACKAGING:

Packaging Option	Standard Quantity
Bulk	500pcs/bag

ORDERING CODE:

ET1 C1 R25 103 F 3435 F B L27

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① ET1: Epoxy Coated Bare Coated Lead Thermistor

② Lead type:	C1: Black Epoxy head bead
	C2: Black + White Epoxy head bead
	C3: Black + Blue Epoxy head bead

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): 27