

ET1H Series NTC THERMISTOR

Miniature leaded epoxy coated thermistors are manufactured using the state of the art manufacturing techniques as those used to produce precision interchangeable devices. This results in devices with superior long term reliability characteristics especially suitable for temperature measurement, temperature control and temperature compensation applications.



FEATURES:

- Small bead size:Max Φ 1.6 \times 4
- High precision $\pm 0.2^{\circ}\text{C}$ (0°C - 70°C)
- Interchangeability
- High stability and reliability
- Fast thermal response time

APPLICATIONS:

- Medical equipment
- Thermometers
- Precision instruments
- Tight tolerance instrumentation

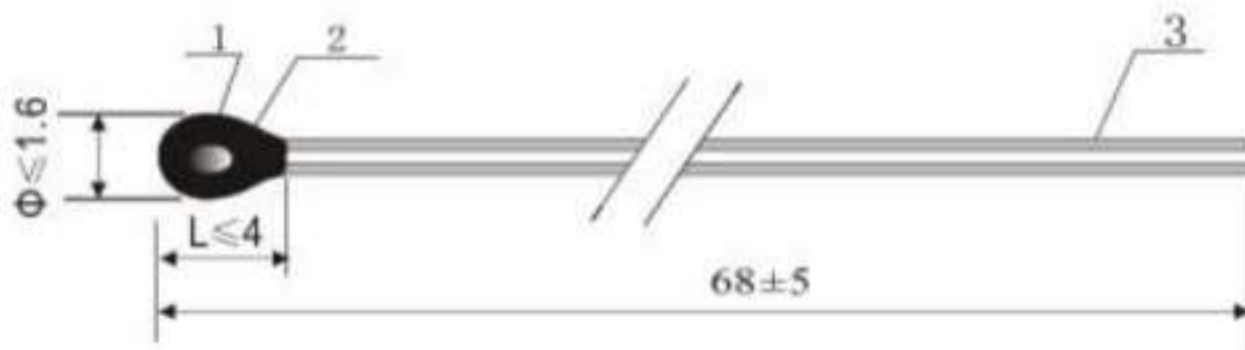
OPTIONS:

- Alternative wire type: OD0.25 Tinned copper wire ,32 AWG Alloy 180 Leads
- Alternative wire length:30mm-110mm
- Alternative Bead size : OD1.6mm-OD2.0mm
- Alternative parameter: 2K3830, 2.252K3976, 2.252K3935, 3K3960, 10k3892,10K345,10K3977

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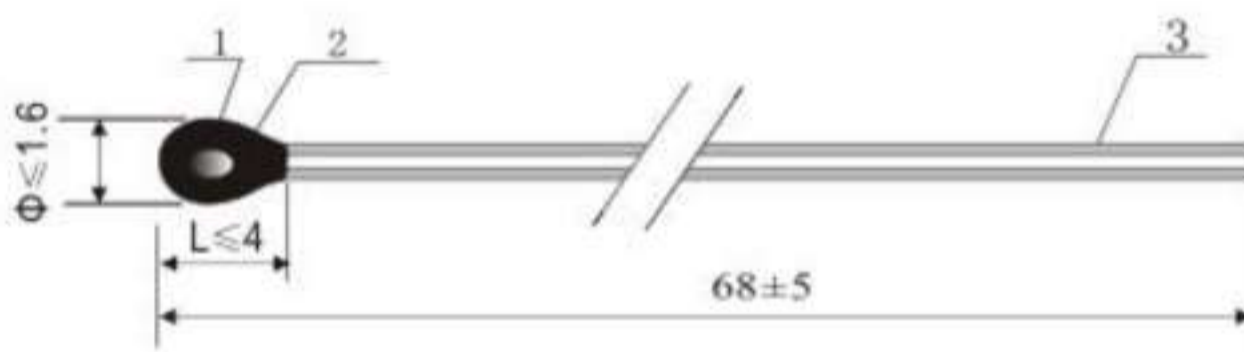
DIMENSIONS (mm):

ET1H1:



Number	Material & Spec.
1	Thermistor chip
2	Epoxy resin (black)
3	$\Phi 0.25$ Cu/Sn wire

ET1H2:



Number	Material & Spec.
1	Thermistor chip
2	Epoxy resin (black)
3	32 AWG Alloy 180 Lead

ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
ET1H	≥ 1.7	≤ 16	-40°C~125°C

PACKAGING:

Packaging Option	Standard Quantity
Bulk	500pcs/bag

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ORDERING CODE:

ET1 H1 R25 103 F 3435 F B L68

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① ET1: Epoxy Coated High Precision Miniature Thermistor

② Lead type:

H1:	OD0.25 Cu/Sn wire
H2:	32 AWG Alloy 180 Lead

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): 68