

Leaded Thermistors

NXU Series

Epoxy-Coated, Uninsulated NTC Thermistor

REACH RoHS



Description

The NXU series leaded, epoxy-coated NTC thermistors are manufactured using state-of-the-art manufacturing techniques that result in a product with superior, long-term reliability characteristics suitable for temperature measurement, temperature control, and temperature compensation applications. These thermistors are epoxy-encapsulated for optimum performance and deliver precision accuracy with a fast thermal response time. Options include non-standard resistance values and tolerances, special lead materials and lengths, and point matching at specified temperatures.

Features

- Low cost
- Epoxy-encapsulated
- Small size
- Fast thermal response time
- High stability

Benefits

- Precision accuracy
- Cost-effective
- High stability
- Superior reliability

Applications

- Automotive
- Medical devices
- Wind turbines
- Personal computers
- Aerospace devices
- Fire alarms
- Temperature measurement, control, and compensation applications

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Specifications

PART NUMBER	RESISTANCE IN OHMS AT 25 °C (Ω)	RESISTANCE TOLERANCE ± % @ 25 °C	BETA K 0–50 °C	OPERATING TEMPERATURE MAX °C	TEMPERATURE COEFFICIENT @ 25 °C	RESISTANCE-TEMPERATURE CURVE
NXUE502C3T1NFC001	5000	Nom	3892	150	-4.4% / °C	J
NXUF103J3T1NFC001	10000	5	3892	150	-4.4% / °C	J
NXUJ103F3T1NFB001	10000	1	3892	150	-4.4% / °C	J

Certification & Compliance

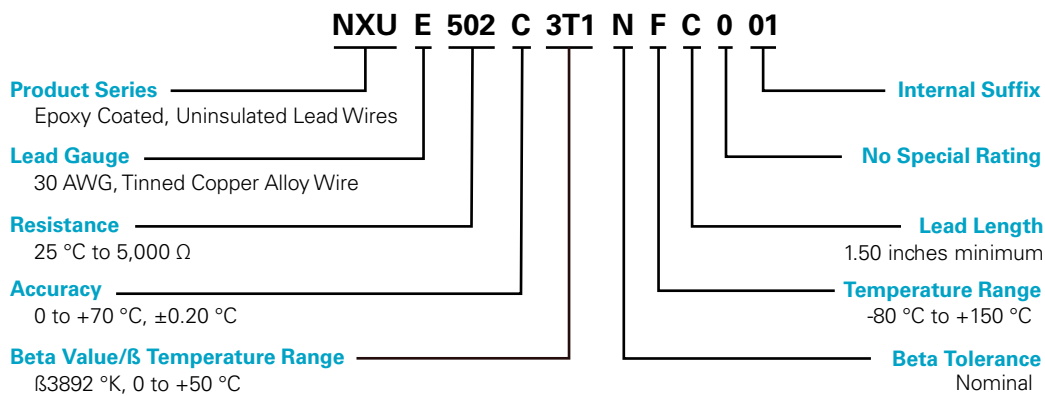
REACH

Reach Regulation (EC) No. 1907/2006

RoHS

RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863

Part Numbering System



Ordering Information

CATALOG NUMBER	PACKAGING
NXUE502C3T1NFC001	Bulk
NXUF103J3T1NFC001	Bulk
NXUJ103F3T1NFB001	Bulk

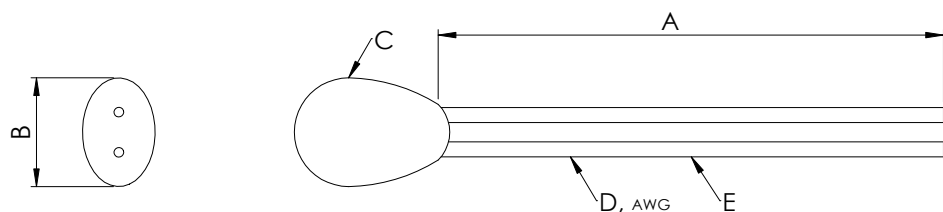
Electrical Specifications

RESISTANCE (25 °C) Ω	RESISTANCE TOLERANCE, ±%	ACCURACY (± °C)	TEMP. COEFFICIENT (%/°C)	BETA (K)	TEMP RATING (°C)	DISSIPATION CONSTANT (MW/ °C)	THERMAL TIME CONSTANT(SEC)
100 to 100000	1 to 10	0.1 ~ 1	3.31 to 4.4	2000 ~ 5000	-55 ~ +150	2 ~ 4	1 ~ 15

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Dimensions Inches (mm)



A	B	C	D	E
0.500" ~ 1.500" (12.7 ± 38.1 mm)	0.080" ~ 0.150" (2.032 to 3.81 mm)	Epoxy Coating	20 ~ 34 AWG	Tinned Solderable Wire

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