



NTC THERMISTORS: TYPE NK

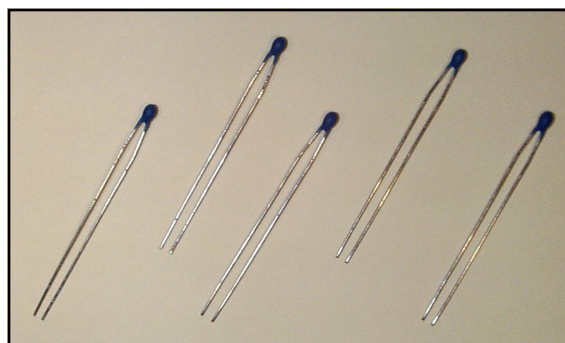
CHIP THERMISTOR WITH SOLDER-COATED WIRES

DESCRIPTION:

A range of NTC chip thermistors with solder-coated steel wires and epoxy resin coating.

FEATURES:

- Designed for accurate temperature measurement, control & compensation
- Tight tolerances on resistance and B value
- Operation up to 155°C with excellent stability
- Small body diameter
- Fast response
- Limited heat conduction along steel wires
- Available on bandolier to IEC 286-2
- Suitable for automotive, HVAC & white goods applications



DATA

Minimum operating temperature -40°C

Maximum operating temperature See table

Thermal time constant 15s (cooling)

..... 2.4s (ambient change)

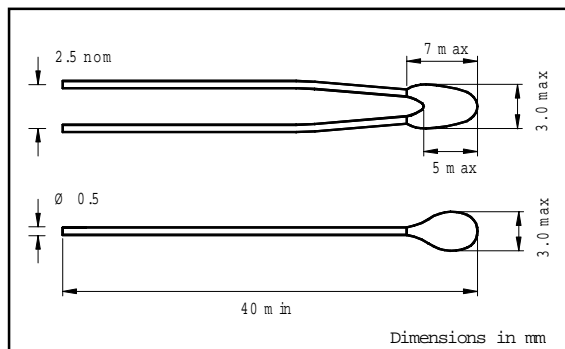
Dissipation factor 2.2mW/K

Mass 0.18g

Packing / MOQ 1000/box (loose)

..... 2000/reel (bandoliered)

DIMENSIONS:



R25 Ω	Material system	B 25/85 K	Maximum operating temperature °C	Code R25 ±1%	Code R25 ±2%	Code R25 ±3%	Code R25 ±5%	Code R25 ±10%
500	2	3540 ± 1%	125		NK501C2*2	NK501C2*3	NK501C2*5	NK501C2*10
1000	2	3540 ± 1%	125		NK102C2*2	NK102C2*3	NK102C2*5	NK102C2*10
2000	2	3540 ± 1%	125		NK202C2*2	NK202C2*3	NK202C2*5	NK202C2*10
500	2A	3627 ± 1%	125		NK501C2A*2	NK501C2A*3	NK501C2A*5	NK501C2A*10
1000	2A	3627 ± 1%	125		NK102C2A*2	NK102C2A*3	NK102C2A*5	NK102C2A*10
2000	2A	3627 ± 1%	125		NK202C2A*2	NK202C2A*3	NK202C2A*5	NK202C2A*10
2200	1	3977 ± 0.75%	155	NK222C1*1	NK222C1*2	NK222C1*3	NK222C1*5	NK222C1*10
2700	1	3977 ± 0.75%	155	NK272C1*1	NK272C1*2	NK272C1*3	NK272C1*5	NK272C1*10
5000	1	3977 ± 0.75%	155	NK502C1*1	NK502C1*2	NK502C1*3	NK502C1*5	NK502C1*10
10000	1	3977 ± 0.75%	155	NK103C1*1	NK103C1*2	NK103C1*3	NK103C1*5	NK103C1*10
2200	3	3960 ± 1%	155			NK222C3*3	NK222C3*5	NK222C3*10
2700	3	3960 ± 1%	155			NK272C3*3	NK272C3*5	NK272C3*10
5000	3	3960 ± 1%	155			NK502C3*3	NK502C3*5	NK502C3*10
10000	3	3960 ± 1%	155			NK103C3*3	NK103C3*5	NK103C3*10
5000	4A	3435 ± 1%	155	NK502C4A*1	NK502C4A*2	NK502C4A*3	NK502C4A*5	NK502C4A*10
10000	4A	3435 ± 1%	155	NK103C4A*1	NK103C4A*2	NK103C4A*3	NK103C4A*5	NK103C4A*10
10000	5	3740 ± 1.5%	155	NK103C5*1	NK103C5*2	NK103C5*3	NK103C5*5	NK103C5*10
12000	5	3740 ± 1.5%	155	NK123C5*1	NK123C5*2	NK123C5*3	NK123C5*5	NK123C5*10

See separate tables for resistance - temperature data

OPTIONS:

- Other resistance values within the ranges shown e.g. code NK701C2*2 for 700Ω ± 2% at 25°C
- Reference temperatures other than 25°C
- Wire lengths 12 to 40mm (±1mm)

CODING

Replace * in the codes shown above as follows:
Loose-packed R
Bandoliered B

Data sheet D-NK-3