



NTC THERMISTORS: TYPE NDK

EPOXY COATED CHIP THERMISTOR

DESCRIPTION:

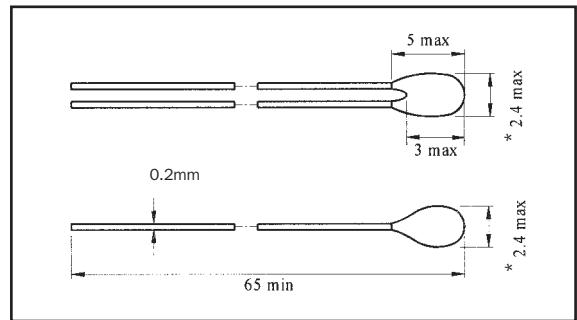
A range of epoxy coated chips with bare 0.2mm tinned monel lead-wires.

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 size
- Fast response
- Limited heat conduction along monel (copper nickel) lead-wires
- Epoxy resin provides voltage insulation
- Suitable for automotive, HVAC & white goods applications



DIMENSIONS:



*Diameter will be 2.8mm max for NDK103C4_types

OPTIONS:

- Other resistance values within the ranges shown e.g. code NDK 152C2R1 for 1500Ω ±1% at 25°C in the range of 0°C up to the maximum operating temperature
- Reference temperatures
- Wire lengths 30 to 600mm (±1mm or ±2%, whichever is the greater)
- Other wire materials

DATA:

Minimum operating temperature -40°C
Thermal time constant..... <20s
Dissipation factor 1.5mW/K
Voltage insulation..... 500V d.c.
Packing/MOQ..... 500/box



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R25 Ω	Material System	B 25/85 K	Maximum Temp. °C	Code	Code	Code	Code	Code
				R25 ± 1%	R25 ± 2%	R25 ± 3%	R25 ± 5%	R25 ± 10%
1000	2	3540 ± 1%	125	NDK102C2R1	NDK102C2R2	NDK102C2R3	NDK102C2R5	NDK102C2R10
2000	2	3540 ± 1%	125	NDK202C2R1	NDK202C2R2	NDK202C2R3	NDK202C2R5	NDK202C2R10
5000	2	3540 ± 1%	125	NDK502C2R1	NDK502C2R2	NDK502C2R3	NDK502C2R5	NDK502C2R10
1000	2A	3627 ± 1%	125	NDK102C2AR1	NDK102C2AR2	NDK102C2AR3	NDK102C2AR5	NDK102C2AR10
2000	2A	3627 ± 1%	125	NDK202C2AR1	NDK202C2AR2	NDK202C2AR3	NDK202C2AR5	NDK202C2AR10
5000	2A	3627 ± 1%	125	NDK502C2AR1	NDK502C2AR2	NDK502C2AR3	NDK502C2AR5	NDK502C2AR10
2700	1	3977 ± 0.75%	155	NDK272C1R1	NDK272C1R2	NDK272C1R3	NDK272C1R5	NDK272C1R10
5000	1	3977 ± 0.75%	155	NDK502C1R1	NDK502C1R2	NDK502C1R3	NDK502C1R5	NDK502C1R10
10000	1	3977 ± 0.75%	155	NDK103C1R1	NDK103C1R2	NDK103C1R3	NDK103C1R5	NDK103C1R10
30000	1	3977 ± 0.75%	155	NDK303C1R1	NDK303C1R2	NDK303C1R3	NDK303C1R5	NDK303C1R10
50000	1	3977 ± 0.75%	155	NDK503C1R1	NDK503C1R2	NDK503C1R3	NDK503C1R5	NDK503C1R10
2700	3	3960 ± 1%	155	NDK272C3R1	NDK272C3R2	NDK272C3R3	NDK272C3R5	NDK272C3R10
5000	3	3960 ± 1%	155	NDK502C3R1	NDK502C3R2	NDK502C3R3	NDK502C3R5	NDK502C3R10
10000	3	3960 ± 1%	155	NDK103C3R1	NDK103C3R2	NDK103C3R3	NDK103C3R5	NDK103C3R10
30000	3	3960 ± 1%	155	NDK303C3R1	NDK303C3R2	NDK303C3R3	NDK303C3R5	NDK303C3R10
50000	3	3960 ± 1%	155	NDK503C3R1	NDK503C3R2	NDK503C3R3	NDK503C3R5	NDK503C3R10
12000	5	3740 ± 1%	125	NDK123C5R1	NDK123C5R2	NDK123C5R3	NDK123C5R5	NDK123C5R10
10000	4	3435 ± 1%	110	NDK103C4R1	NDK103C4R2	NDK103C4R3	NDK103C4R5	NDK103C4R10
30000	4	3435 ± 1%	110	NDK303C4R1	NDK303C4R2	NDK303C4R3	NDK303C4R5	NDK303C4R10
50000	4	3435 ± 1%	110	NDK503C4R1	NDK503C4R2	NDK503C4R3	NDK503C4R5	NDK503C4R10
100000	4	3435 ± 1%	110	NDK104C4R1	NDK104C4R2	NDK104C4R3	NDK104C4R5	NDK104C4R10

See separate tables for resistance - temperature data

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