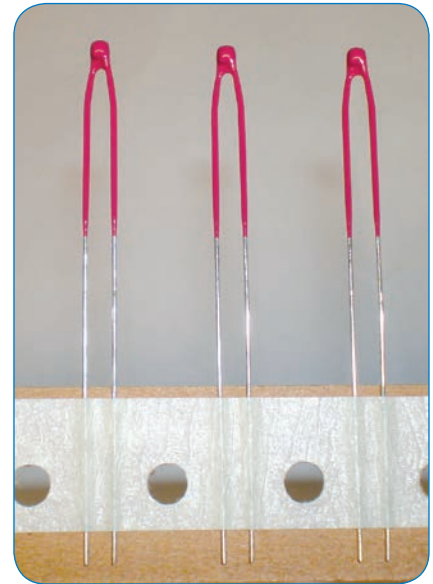


T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

NTC Type NKA

HTF1 Coating Option
Silicone-Coated Chip
Thermistor



Thermometrics NTC Type NKA with HTF1 Coating Option are radial lead alkyd silicone-coated chip thermistors with tin-coated Alloy 52 leads for cost-effective and tight tolerance temperature sensing.

Applications

Suitable for automotive and high performance industrial applications.

Features

- Designed for accurate temperature measurement, control and compensation
- Up to 30mm coating length
- Semi-flexible
- Tight tolerances on resistance and B value
- Operation up to 170°C with excellent stability
- Head diameters down to 2.4mm
- Fast time response
- Tested to AEC Q200
- Available on bandolier to IEC 286-2

Amphenol
Advanced Sensors

NKA HTF1 Coating Option Specifications

Data

- Operating Temperature Range: -40°C to $+170^{\circ}\text{C}$
- Coating Lengths: 7mm to 30mm
- Electrical Insulation:
500V DC water immersion at 25°C $R > 100\text{M}\Omega$
Dielectric strength 20kV/mm
- Response Time: 12 seconds (cooling)

Options

- Other resistance values within the ranges shown; e.g. code NKA701C2*2 for $700\ \Omega \pm 2\%$ at 25°C (77°F)
- Reference temperatures other than 25°C (77°F)
- Wire lengths 12mm to 40mm ($\pm 1\text{mm}$)
(0.47 in to 1.57 in)

Packing

- 1000/box (loose)
- 2000/reel (bandolier tape & reel)

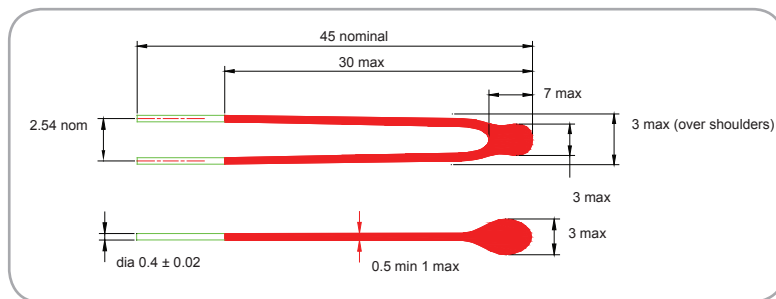
R25 Ω	Material System	B25/85 (K)	Maximum Operating Temperature $^{\circ}\text{C}$ ($^{\circ}\text{F}$)
500	2	$3540 \pm 1\%$	170 (338)
1000	2	$3540 \pm 1\%$	170 (338)
2000	2	$3540 \pm 1\%$	170 (338)
500	2A	$3627 \pm 1\%$	170 (338)
1000	2A	$3627 \pm 1\%$	170 (338)
2000	2A	$3627 \pm 1\%$	170 (338)
2200	1	$3977 \pm 0.75\%$	170 (338)
2700	1	$3977 \pm 0.75\%$	170 (338)
5000	1	$3977 \pm 0.75\%$	170 (338)
10000	1	$3977 \pm 0.75\%$	170 (338)
5000	4A	$3435 \pm 1\%$	170 (338)
10000	4A	$3435 \pm 1\%$	170 (338)
10000	5	$3540 \pm 1.5\%$	170 (338)
12000	5	$3540 \pm 1.5\%$	170 (338)

See separate tables for resistance - temperature data.

Ordering Information

Replace * in the codes shown above as follows:

- Loose-packed: R
- Bandoliered: B



NTC Type NK Dimensions

Amphenol
Advanced Sensors

www.amphenol-sensors.com

© 2018 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice. Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.