



NTC THERMISTORS: TYPE DK

CHIP THERMISTOR IN DO-35 GLASS PACKAGE

DESCRIPTION:

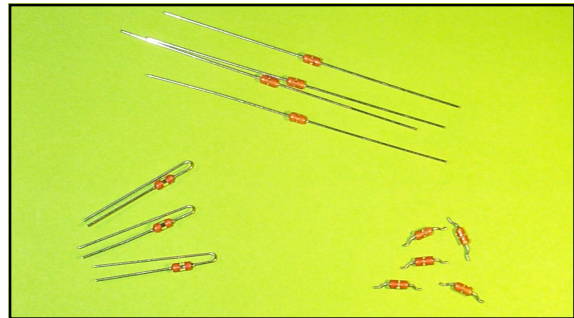
A range of NTC chip thermistors in DO-35 style glass package (diode outline) with axial solder-coated copper-clad steel wires.

FEATURES:

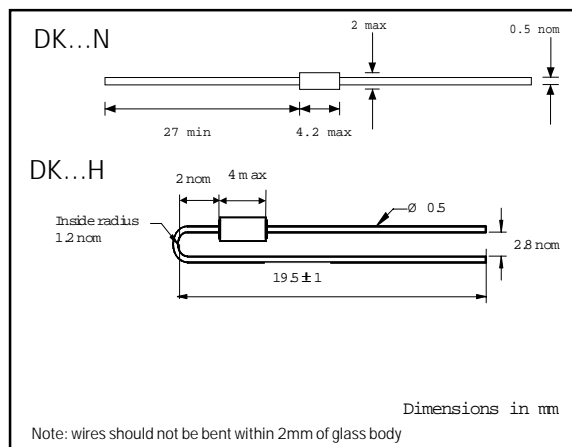
- Designed for accurate temperature measurement, control & compensation
- Tight tolerances on resistance and B value
- Operation up to 250°C with excellent stability
- Glass body provides hermetic seal & voltage insulation
- Available on axial bandolier to IEC 286-1
- Also available loose-packed with axial, radial and SMD wire forms
- Suitable for automotive, telecom (battery packs), HVAC & white goods applications

DATA

Operating temperature -40 to +250°C
 Thermal time constant 7s (cooling in air)
 Dissipation factor 3.0mW/K
 Mass 0.2g
 Packing / MOQ 1000/box (loose)
 5000/reel (bandoliered)



DIMENSIONS:



| R25 Ω | Material system | B 25/85 K | Code R25 ±1% | Code R25 ±2% | Code R25 ±3% | Code R25 ±5% | Code R25 ±10% |
|----------|--------------------|--------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 2000 | 2 | 3540 ± 1% | | DKA202*2 | DKA202*3 | DKA202*5 | DKA202*10 |
| 5000 | 2 | 3540 ± 1% | | DKA502*2 | DKA502*3 | DKA502*5 | DKA502*10 |
| 10000 | 2 | 3540 ± 1% | | DKA103*2 | DKA103*3 | DKA103*5 | DKA103*10 |
| 10000 | 5A | 3730 ± 2% | | | DKC103*3 | DKC103*5 | DKC103*10 |
| 12000 | 5A | 3730 ± 2% | | DKC123*2 | DKC123*3 | DKC123*5 | DKC123*10 |
| 10000 | 3 | 3960 ± 1% | DKF103*1 | DKF103*2 | DKF103*3 | DKF103*5 | DKF103*10 |
| 20000 | 3 | 3960 ± 1% | DKF203*1 | DKF203*2 | DKF203*3 | DKF203*5 | DKF203*10 |
| 30000 | 3 | 3960 ± 1% | DKF303*1 | DKF303*2 | DKF303*3 | DKF303*5 | DKF303*10 |
| 50000 | 3 | 3960 ± 1% | DKF503*1 | DKF503*2 | DKF503*3 | DKF503*5 | DKF503*10 |
| 100000 | 3 | 3960 ± 1% | DKF104*1 | DKF104*2 | DKF104*3 | DKF104*5 | DKF104*10 |
| 200000 | G | 4263 ± 2% | | | | DKG204*5 | DKG204*10 |
| 500000 | D | 4573 ± 2% | | | | DKD504*5 | DKD504*10 |
| 1000000 | D | 4573 ± 2% | | | | DKD105*5 | DKD105*10 |

See separate tables for resistance - temperature data

CODING

Replace * in the codes shown above as follows:

Axial, loose-packed N
Axial, bandoliered B
Radial, loose-packed H

OPTIONS:

- Other resistance values within the ranges shown e.g. code DKA302*2 for 3000Ω ± 2% at 25°C
- Reference temperatures in the range 0 to 150°C
- Operation to 300°C (no solder coating on wires)