

NTC0402 Series Thermistor Kit

SMD Negative Temperature Coefficient Thermistor Sample Kit

TDK's NTCG Series Thermistors are manufactured from sintered metal oxides. Each thermistor consists of a combination of two to four of the following materials: Manganese, Nickel, Cobalt, and Copper. NTC thermistors are semiconductor resistors that exhibit decreasing resistance characteristics with increasing temperature. TDK thermistors have low thermal time constants which result in extremely high rates of resistance change to accurately track the temperature.



Features

- Lead (Pb) free product
- Wide range of resistances and B constants available
- Good stability of resistance value after soldering
- Standard operating temperature range of -40°C to $+125^{\circ}\text{C}$
- Storage temperature range of -40°C to $+125^{\circ}\text{C}$ (after PC board mounting)

Commercial

Thermistor



[Datasheet](#)

Applications

- Mobile communication devices
- Computer devices
- DVC, DSC
- Printer
- Optical Transmission System

NTC0402 Thermistor Sample Kit Includes:

Case Size: 1005 (EIA 0402)
Resistance [at 25°C]: 100-1M Ω
Resistance Tolerance: $\pm 0.5\%$, $\pm 1\%$, $\pm 3\%$
B Value Tolerance: $\pm 0.7\%$, $\pm 1\%$, $\pm 3\%$

Kit contains pieces 160 total— 10 pieces per value

Now Available at:



[445-174938-KIT-ND](#)

Click the link above for ordering information.

NTC0402 Thermistor Sample Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Resistance Value Tol
445-174938-KIT-ND	NTCG103EH101HT1	0402 100Ω±3%
	NTCG104BH102HT1	0402 1kΩ±3%
	NTCG104BH472HT1	0402 4.7kΩ±3%
	NTCG103JF103FT1	0402 10kΩ±1%
	NTCG103JX103DT1	0402 10kΩ±0.5%
	NTCG103JF103HT1	0402 10kΩ±3%
	NTCG103UH103HT1	0402 10kΩ±3%
	NTCG104BH103HT1	0402 10kΩ±3%
	NTCG104LH223HT1	0402 22kΩ±3%
	NTCG104BF473FT1X	0402 47kΩ±1%
	NTCG104EF104FT1X	0402 100kΩ±1%
	NTCG104LH104HT1	0402 100kΩ±3%
	NTCG104QH224HT1	0402 220kΩ±3%
	NTCG104QH334HT1	0402 330kΩ±3%
	NTCG104QH474HT1	0402 470kΩ±3%
	NTCG104QH105HT1	0402 1MΩ±3%