

NTC0603 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



Applications

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

[Datasheet](#)

NTC0603 Thermistor Sample Kit Includes:

Case Size: 1608 (EIA 0603)
Resistance [at 25°C]: 40-1M Ω
Resistance Tolerance: $\pm 1\%$, $\pm 3\%$
B Value Tolerance: $\pm 1\%$, $\pm 3\%$

Kit contains pieces 160 total— 10 pieces per value

Now Available at:



[445-174939-KIT-ND](#)

Click the link above for ordering information.

NTC0603 Thermistor Sample Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Resistance Value Tol
445-174939-KIT-ND	NTCG163EH400HT1	0603 40Ω±3%
	NTCG163EH101HT1	0603 100Ω±3%
	NTCG163JF103FT1	0603 10kΩ±1%
	NTCG164BH102HT1	0603 1kΩ±3%
	NTCG164BH332HT1	0603 3.3kΩ±3%
	NTCG164BH472HT1	0603 4.7kΩ±3%
	NTCG164BH103HT1	0603 10kΩ±3%
	NTCG163JF103HT1	0603 10kΩ±3%
	NTCG164LH223HT1	0603 22kΩ±3%
	NTCG164LH473HT1	0603 47kΩ±3%
	NTCG164LH683HT1	0603 68kΩ±3%
	NTCG164LH104HT1	0603 100kΩ±3%
	NTCG164KF104FT1	0603 100kΩ±1%
	NTCG164QH334HT1	0603 330kΩ±3%
	NTCG164QH474HT1	0603 470kΩ±3%
	NTCG164QH105HT1	0603 1MΩ±3%