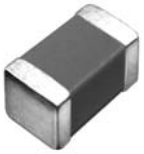
NTC AUTO Series Thermistor Kit

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 :
  - DS, DSX series : –40°C to +125°C
  - 1S, 1SX series : –40°C to +150°C
- Storage temperature range (after PC board mounting) :
  - DS, DSX series : –40°C to +125°C
  - 1S, 1SX series : –40°C to +150°C

Automotive

Thermistor

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

Datasheet

Applications

- Mobile communication devices
- DVC, DSC
- Optical Transmission System
- Computer devices
- Car audio devices
- Printers

NTC AUTO Thermistor Sample Kit Includes:

Case Size: 1005 & 1608 (EIA 0402 & 0603)
Resistance [at 25°C]: 10k-100kΩ
Resistance Tolerance: ±0.5%, ±1%, ±3%
B Value Tolerance: ±0.7%, ±1%, ±3%

Kit contains pieces 120 total— 10 pieces per value

Now Available at: Digi-Key Corporation

445-174940-KIT-ND

Click the link above for ordering information.

NTC AUTO Thermistor Sample Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Resistance Value Tol
445-174940-KIT-ND	NTCG103JF103FT1S	0402 10kΩ±1%
	NTCG103JF103FTDS	0402 10kΩ±1%
	NTCG103JF103HTDS	0402 10kΩ±3%
	NTCG103JX103DTDS	0402 10kΩ±0.5%
	NTCG104EF104FT1SX	0402 100kΩ±1%
	NTCG104EF104FTDSX	0402 100kΩ±1%
	NTCG163JF103FT1S	0603 10kΩ±1%
	NTCG163JF103FTDS	0603 10kΩ±1%
	NTCG163JX103DT1S	0603 10kΩ±0.5%
	NTCG163JX103DTDS	0603 10kΩ±0.5%
	NTCG164KF104FT1S	0603 100kΩ±1%
	NTCG164KF104FTDS	0603 100kΩ±1%