

## 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



[Datasheet](#)

#### Applications

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



[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%                  |