



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 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 :  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
  - 1S, 1SX series :  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$
- Storage temperature range (after PC board mounting) :
  - DS, DSX series :  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
  - 1S, 1SX series :  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$

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-100k $\Omega$

**Resistance Tolerance:**  $\pm 0.5\%$ ,  $\pm 1\%$ ,  $\pm 3\%$

**B Value Tolerance:**  $\pm 0.7\%$ ,  $\pm 1\%$ ,  $\pm 3\%$

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 10k $\Omega$ $\pm$ 1%
	NTCG103JF103FTDS	0402 10k $\Omega$ $\pm$ 1%
	NTCG103JF103HTDS	0402 10k $\Omega$ $\pm$ 3%
	NTCG103JX103DTDS	0402 10k $\Omega$ $\pm$ 0.5%
	NTCG104EF104FT1SX	0402 100k $\Omega$ $\pm$ 1%
	NTCG104EF104FTDSX	0402 100k $\Omega$ $\pm$ 1%
	NTCG163JF103FT1S	0603 10k $\Omega$ $\pm$ 1%
	NTCG163JF103FTDS	0603 10k $\Omega$ $\pm$ 1%
	NTCG163JX103DT1S	0603 10k $\Omega$ $\pm$ 0.5%
	NTCG163JX103DTDS	0603 10k $\Omega$ $\pm$ 0.5%
	NTCG164KF104FT1S	0603 100k $\Omega$ $\pm$ 1%
	NTCG164KF104FTDS	0603 100k $\Omega$ $\pm$ 1%