

## 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  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Storage temperature range of  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (after PC board mounting)

Commercial

Thermistor



[Datasheet](#)

#### Applications

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

### NTC0603 Thermistor Sample Kit Includes:

Case Size: 1608 (EIA 0603)  
Resistance [at  $25^{\circ}\text{C}$ ]: 40-1M $\Omega$   
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%                    |