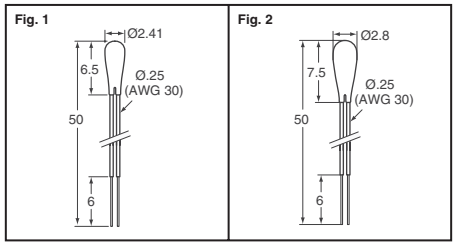
# NTC Thermistors
## with Wire Leads

**Features:**
- Fast response
- High measuring accuracy
- Epoxy resin encapsulation
- PTFE-insulated leads
- UL approval (E69802)

**Applications:**
- Heating systems
- Industrial electronics
- Automotive electronics

**Specifications:**
- Climatic category: 55/155/56
- Maximum power: 60mW

Dimensions in mm




| Fig. | Res. @ 25°C (kΩ) | Resistance Tolerance | B25/100 (K) | Digi-Key Part No. | Price Each 1 | 10 | 100 | Epcos Part No. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | ±1% | 3560 | 495-2144-ND | 2.75 | 2.41 | 1.90 | B57861S0202F040 |
| | 3 | ±1% | 3988 | 495-2145-ND | 2.75 | 2.41 | 1.90 | B57861S0302F040 |
| | 3 | ±1% | 3988 | 495-2150-ND‡ | 3.59 | 3.15 | 2.47 | B57863S0302F040 |
| | 5 | ±1% | 3988 | 495-2147-ND | 2.75 | 2.41 | 1.90 | B57861S0502F040 |
| | 10 | ±1% | 3988 | 495-2142-ND | 2.75 | 2.41 | 1.90 | B57861S0103F040 |
| | 10 | ±1% | 3988 | 495-2149-ND‡ | 3.59 | 3.15 | 2.47 | B57863S0103F040 |
| | 30 | ±1% | 3964 | 495-2146-ND | 2.75 | 2.41 | 1.90 | B57861S0303F040 |
| | 30 | ±1% | 3964 | 495-2151-ND‡ | 3.59 | 3.15 | 2.47 | B57863S0303F040 |
| | 50 | ±1% | 3760 | 495-2148-ND | 2.75 | 2.41 | 1.90 | B57861S0503F040 |
| | 100 | ±1% | 4540 | 495-2143-ND | 2.75 | 2.41 | 1.90 | B57861S0104F040 |
| 2 | 10 | ±1% | 3988 | 495-2166-ND | 4.15 | 3.64 | 2.86 | B57862S0103F040 |

‡ Uni-Curve Sensor

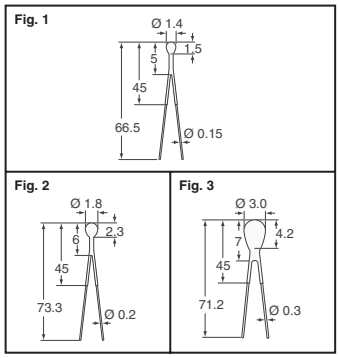
# NTC Thermistors
## for Temperature Measurement
## Insulated

**Features:**
- Glass encapsulated
- Highly Stable
- Heat resistant
- Coating of glass body and leads for electrical insulation
- Fast response
- Dumet wires for leads (copper clad FeNi)

**Applications:**
- Automotive electronics
- Industrial electronics
- Home appliances

**Specifications:**
- Maximum power: 18mW (B57541); 32mW (B57551); 50mW (B57561)
- Climatic category: 55/250/56

Dimensions in mm




| Fig. | Res. @ 25°C (kΩ) | Resistance Tolerance | B25/85 (K) | Digi-Key Part No. | Price Each 1 | 10 | 100 | Epcos Part No. |
|---|---|---|---|---|---|---|---|---|
| 1 | 10 | ±1% | 3480 | 495-2623-ND | 5.31 | 4.65 | 3.66 | B57541G0103F000 |
| 2 | 10 | ±1% | 3480 | 495-2624-ND | 4.66 | 4.08 | 3.21 | B57551G0103F000 |
| 3 | 10 | ±1% | 3480 | 495-2625-ND | 5.39 | 4.72 | 3.71 | B57561G0103F000 |

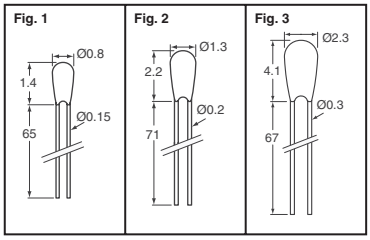
# Leaded NTC Thermistors Glass
## Encapsulated for Temperature Measurement

**Features:**
• Heat resistant • Highly stable • Measures temperatures up to 300°C • Fast response • Small dimensions • Leads are dumet wires (copper clad FeNi)

**Applications:**
• Automotive electronics • Industrial electronics • Home appliances

**Specifications:**
• Climatic category: 55/250/56 (B57540 series); 55/300/56 (B57550 and B57560 series) • Maximum power: 18mW (B57540 series); 32mW (B57550 series); 50mW (B57560 series)

Dimensions in mm




| Fig. | Resistance @25°C (kΩ) | Resistance Tolerance | B25/85 (K) | Digi-Key Part No. | Price Each 1 | 10 | 100 | Epcos Part No. |
|---|---|---|---|---|---|---|---|---|
| 1 | 5 | ±1% | 3480 | 495-2128-ND | 4.60 | 4.03 | 3.17 | B57540G0502F000 |
| | 10 | ±1% | 3480 | 495-2124-ND | 4.60 | 4.03 | 3.17 | B57540G0103F000 |
| | 30 | ±1% | 3992 | 495-2127-ND | 4.60 | 4.03 | 3.17 | B57540G0303F000 |
| | 50 | ±1% | 3992 | 495-2129-ND | 4.60 | 4.03 | 3.17 | B57540G0503F000 |
| | 100 | ±1% | 4066 | 495-2125-ND | 5.72 | 5.01 | 3.94 | B57540G0104F000 |
| 2 | 5 | ±1% | 3480 | 495-2133-ND | 4.04 | 3.54 | 2.78 | B57550G0502F000 |
| | 10 | ±1% | 3480 | 495-2130-ND | 4.25 | 3.72 | 2.93 | B57550G0103F000 |
| | 30 | ±1% | 3992 | 495-2132-ND | 4.04 | 3.54 | 2.78 | B57550G0303F000 |
| | 50 | ±1% | 3992 | 495-2134-ND | 4.04 | 3.54 | 2.78 | B57550G0503F000 |
| 3 | 5 | ±1% | 3480 | 495-2137-ND | 4.15 | 3.64 | 2.86 | B57560G0502F000 |
| | 10 | ±1% | 3480 | 495-2135-ND | 4.15 | 3.64 | 2.86 | B57560G0103F000 |
| | 100 | ±1% | 4066 | 495-2136-ND | 4.15 | 3.64 | 2.86 | B57560G0104F000 |

# Leaded NTC Thermistors
## for Temperature Measurement

**B57164K Series:**

**Features:** • Lacquer-coated thermistor disk• Tinned copper leads
**Applications:** • Temperature measurement and compensation
**Specifications:** • Climatic category: 55/155/21 • Maximum power: 450mW

**B57871S Series:**

**Features:** • High measuring accuracy • Cost effective • Rugged design • Epoxy resin encapsulation • Tinned copper leads
**Applications:** • Temperature measurement
**Specifications:** • Climatic category: 55/155/56 • Maximum power: 60mW

**B57885S Series:**

**Features:** • High measuring accuracy • Cost effective • Rugged design • Epoxy resin encapsulation • Tinned copper leads
**Applications:** • Temperature measurement and compensation
**Specifications:** • Climatic category: 55/155/56 • Maximum power: 100mW

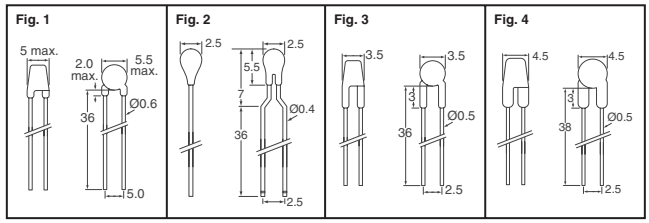
**B57891M Series:**

**Features:** • Wide resistance range • Cost effective • Lacquer coated thermistor disk • Leads are tinned copper-clad Fe wire
**Applications:** • Temperature compensation • Temperature measurement • Temperature control
**Specifications:** • Climatic category: 40/125/56 • Maximum power: 200mW

**B57891S Series:**

**Features:** • Wide resistance range • Cost effective • Lacquer coated thermistor disk • Leads are tinned copper-clad Fe wire
**Applications:** • Temperature compensation • Temperature measurement • Temperature control
**Specifications:** • Climatic category: 55/155/56 • Maximum power: 200mW

Dimensions in mm




| Fig. | Resistance @25°C (kΩ) | Resistance Tolerance | B25/100 (K) | Digi-Key Part No. | Price Each 1 | 10 | 100 | Epcos Part No. |
|---|---|---|---|---|---|---|---|---|
| ***B57164K Series*** | | | | | | | | |
| 1 | 4.7 | ±5% | 3950 | 495-2082-ND | .65 | .58 | .45 | B57164K472J |
| | 10 | ±5% | 4300 | 495-2080-ND | .65 | .58 | .45 | B57164K103J |
| ***B57871S Series*** | | | | | | | | |
| 2 | 10 | ±1% | 3460 | 495-3036-ND | 2.45 | 2.15 | 1.69 | B57871S0103F002 |
| | 10 | ±1% | 3988 | 495-2153-ND | 2.45 | 2.15 | 1.69 | B57871S0103F001 |
| | 12 | ±1% | 3760 | 495-3037-ND | 2.45 | 2.15 | 1.69 | B57871S0123F000 |
| ***B57885S Series*** | | | | | | | | |
| 3 | 10 | ±1% | 3980 | 495-2155-ND | 2.04 | 1.79 | 1.41 | B57885S103F1 |
| ***B57891M Series*** | | | | | | | | |
| 3 | 1.0 | ±5% | 3930 | 495-2156-ND | .79 | .69 | .55 | B57891M0102J000 |
| | 1.5 | ±5% | 3560 | 495-3064-ND | .79 | .69 | .55 | B57891M0152J000 |
| | 2.2 | ±5% | 3900 | 495-3067-ND | .79 | .69 | .55 | B57891M0222J000 |
| | 4.7 | ±5% | 3980 | 495-2161-ND | .79 | .69 | .55 | B57891M0472J000 |
| | 6.8 | ±5% | 3980 | 495-3071-ND | .79 | .69 | .55 | B57891M0682J000 |
| | 10 | ±5% | 3950 | 495-2157-ND | .79 | .69 | .55 | B57891M0103J000 |
| | 33 | ±5% | 4300 | 495-2159-ND | .79 | .69 | .55 | B57891M0333J000 |
| | 100 | ±5% | 4450 | 495-2158-ND | .79 | .69 | .55 | B57891M0104J000 |
| | 470 | ±5% | 5000 | 495-2162-ND | .79 | .69 | .55 | B57891M0474J000 |
| ***B57891S Series*** | | | | | | | | |
| 4 | 5 | ±1% | 3980 | 495-2165-ND | 1.96 | 1.72 | 1.36 | B57891S0502F008 |
| | 10 | ±1% | 3950 | 495-2163-ND | 1.96 | 1.72 | 1.36 | B57891S0103F008 |
| | 100 | ±1% | 4450 | 495-2164-ND | 1.96 | 1.72 | 1.36 | B57891S0104F008 |