

# Global NTC Thermistors Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global NTC Thermistors market size is expected to reach \$ 773.9 million by 2029, rising at a market growth of 2.7% CAGR during the forecast period (2023-2029).

NTC (Negative Temperature Coefficient) Thermistors market is relatively fragmented with fierce competition. Thinking Electronic is the world leading player in global NTC Thermistors market with the market share of 16%, in terms of revenue, followed by Shibaura, TDK, Semitec Corporation, Mitsubishi, Vishay, Shiheng Electronics, AVX, Murata and Panasonic. The top 10 listed companies accounted for 69% of the revenue market share.

The penetration of NTC Thermistors has risen over the past few years in applications ranging from consumer electronics to automotive. Asia Pacific is the largest downstream regions, occupied about 71% of market share, in terms of volume.

The classification of Negative Temperature Coefficient Thermistor include Radial Type, Diode Type, Wire Bonding Type, Film Type, SMD Type, Wire Type and Chip in Glass Type. The market share of SMD Type is about 26%.

Negative Temperature Coefficient Thermistor's application are Consumer Electronics, Medical Instruments, Automotive, Home Appliance, Industrial Equipment, Aerospace & Defense and Others. The most proportion of Negative Temperature Coefficient Thermistor are 30% market shares.

An NTC (Negative Temperature Coefficient) thermistor is a ceramic semiconductor made with various metal oxides. Their electrical resistance decreases with increasing temperature. A typical temperature range for existing ceramic negative temperature

coefficient (NTC) thermistors is -80 degrees C to +300 degrees C. This resistance is processed by an electronic circuit to provide temperature measurement. The thermistor itself does not provide any control over heating elements, relays, etc. The thermistor is strictly a sensor and any electrical control would need to be implemented by the circuit utilizing the thermistor.

Conventional ceramic NTC thermistors have been employed in the marketplace for over 70 years; and dominate the thermistor market. The ceramic thermistors are comprised of a metal oxide mix annealed at high temperatures. Companies around the world have used this ceramic technology to produce billions of thermistors annually. Typically, NTC thermistor is the most popular and economic solution for various fields such as home appliance, automotive, telecommunication, computer, medical instruments, industrial sites, etc.

This report studies the global NTC Thermistors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for NTC Thermistors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of NTC Thermistors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global NTC Thermistors total production and demand, 2018-2029, (M Pcs)

Global NTC Thermistors total production value, 2018-2029, (USD Million)

Global NTC Thermistors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (M Pcs)

Global NTC Thermistors consumption by region & country, CAGR, 2018-2029 & (M Pcs)

U.S. VS China: NTC Thermistors domestic production, consumption, key domestic manufacturers and share

Global NTC Thermistors production by manufacturer, production, price, value and

market share 2018-2023, (USD Million) & (M Pcs)

Global NTC Thermistors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (M Pcs)

Global NTC Thermistors production by Application production, value, CAGR, 2018-2029, (USD Million) & (M Pcs).

This reports profiles key players in the global NTC Thermistors market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Thinking Electronic, Shibaura, TDK, Semitec Corporation, Mitsubishi, Vishay, Shiheng Electronics, AVX and Murata, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World NTC Thermistors market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Pcs) and average price (US\$/K Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global NTC Thermistors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global NTC Thermistors Market, Segmentation by Type

Radial Type

Diode Type

Wire Bonding Type

Film Type

SMD Type

Wire Type

Chip in Glass Type

## Global NTC Thermistors Market, Segmentation by Application

Consumer Electronics

Medical Instruments

Automotive

Home Appliance

Industrial Equipment

Aerospace & Defense

Others

Companies Profiled:

Thinking Electronic

Shibaura

TDK

Semitec Corporation

Mitsubishi

Vishay

Shiheng Electronics

AVX

Murata

Panasonic

Fenghua Electronics

Lattron

TE Connectivity

Ametherm

Amphenol Advanced Sensors

Littelfuse

Sinochip Electronics

E WAY Technology

EXSENSE Electronic

Tewa Temperature Sensors

TAYAO Technology

JOYIN

Elscott Manufacturing

KOA

Sen Tech

Mingjia Electric

Zhengli Group

UNIX TECH

## Key Questions Answered

1. How big is the global NTC Thermistors market?
2. What is the demand of the global NTC Thermistors market?
3. What is the year over year growth of the global NTC Thermistors market?
4. What is the production and production value of the global NTC Thermistors market?
5. Who are the key producers in the global NTC Thermistors market?
6. What are the growth factors driving the market demand?

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