

Global SMD NTC Thermistor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G1959EF416D1EN.html

Date: October 2023

Pages: 119

Price: US\$ 3,480.00 (Single User License)

ID: G1959EF416D1EN

Abstracts

According to our (Global Info Research) latest study, the global SMD NTC Thermistor market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

SMD NTC Thermistor, also known as a Surface Mount Device Negative Temperature Coefficient Thermistor, is an electronic component used for temperature sensing and temperature compensation in various electronic circuits. It consists of a semiconductor material whose electrical resistance decreases as the temperature increases. This unique characteristic allows NTC thermistors to accurately measure temperature changes and provide precise temperature data to electronic systems. Surface mount design makes them easy to integrate onto printed circuit boards (PCBs) and is commonly used in applications like temperature control, thermal protection, and temperature monitoring in electronic devices, appliances, and industrial equipment.

The industry trend for SMD NTC Thermistors is marked by increasing demand in electronics and IoT (Internet of Things) applications, where accurate temperature sensing is critical. As electronics become more compact and energy-efficient, the need for miniature, surface-mountable temperature sensors has grown. SMD NTC Thermistors are favored for their small size, rapid response times, and compatibility with automated manufacturing processes. Additionally, as IoT devices proliferate, temperature monitoring is integral for optimizing performance and ensuring reliability. This trend pushes for ongoing innovation in thermistor technology, including enhanced sensitivity, wider temperature ranges, and integration with smart sensors and IoT platforms to meet the evolving demands of modern electronics and automation.



The Global Info Research report includes an overview of the development of the SMD NTC Thermistor industry chain, the market status of Consumer Electronics (Radial NTC Thermistor, Axial NTC Thermistor), Automotive (Radial NTC Thermistor, Axial NTC Thermistor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of SMD NTC Thermistor.

Regionally, the report analyzes the SMD NTC Thermistor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global SMD NTC Thermistor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the SMD NTC Thermistor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the SMD NTC Thermistor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Radial NTC Thermistor, Axial NTC Thermistor).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the SMD NTC Thermistor market.

Regional Analysis: The report involves examining the SMD NTC Thermistor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the SMD NTC Thermistor market. This may include estimating market growth rates, predicting market demand, and identifying emerging



trends.

The report also involves a more granular approach to SMD NTC Thermistor:

Company Analysis: Report covers individual SMD NTC Thermistor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards SMD NTC Thermistor This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Consumer Electronics, Automotive).

Technology Analysis: Report covers specific technologies relevant to SMD NTC Thermistor. It assesses the current state, advancements, and potential future developments in SMD NTC Thermistor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the SMD NTC Thermistor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

SMD NTC Thermistor market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Radial NTC Thermistor

Axial NTC Thermistor



Market segment by Application **Consumer Electronics** Automotive Aerospace Others Major players covered Shibaura TDK **Semitec Corporation** Mitsubishi AVX Murata Panasonic TE Connectivity Ametherm **Amphenol Advanced Sensors** Thinking Electronic Sinochip Electronics **JOYIN**



Nanjing Shiheng Electronics

Tongling Fenghua Electronics

TAYAO Technology

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe SMD NTC Thermistor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SMD NTC Thermistor, with price, sales, revenue and global market share of SMD NTC Thermistor from 2018 to 2023.

Chapter 3, the SMD NTC Thermistor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SMD NTC Thermistor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.



Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and SMD NTC Thermistor market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of SMD NTC Thermistor.

Chapter 14 and 15, to describe SMD NTC Thermistor sales channel, distributors, customers, research findings and conclusion.



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