

Global Positive Temperature Coefficient (PTC) Thermistors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Positive Temperature Coefficient (PTC) Thermistors market size was valued at USD 332.4 million in 2023 and is forecast to a readjusted size of USD 461 million by 2030 with a CAGR of 4.8% during review period.

PTC stands for Positive Temperature Coefficient. PTC thermistors are ceramic components whose electrical resistance rapidly increases when a certain temperature is exceeded. This property makes them ideal for use in countless applications of modern electrical and electronic engineering, for example, as self-resetting fuses against current overload or for short circuit protection in motors. PTC thermistors are used in electronic lamp ballasts and switch-mode power supplies for delayed switching. Special motor-start PTC thermistors are also used in refrigerator compressors, for instance.

Ceramic PTC (CPTC) and Polymer PTC (PPTC) are two types based on production technology, and both are covered by data in this report.

NTC Thermistors market is dominated by few players, TE is a leader, with a market share over 30%, followed by Polytronics, Wayon, Bourns, TDK(EPCOS), Keter, Amphenol(GE SENSING), Thinking, Murata and VISHAY. The top 10 listed companies accounted for over 80% market share. China is the largest producer and consumer, followed by US, EU and Japan.

The Global Info Research report includes an overview of the development of the Positive Temperature Coefficient (PTC) Thermistors industry chain, the market status of Computers/Peripherals (CPTC, PPTC), Telecom/Datacom Infrastructure (CPTC,

PPTC), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Positive Temperature Coefficient (PTC) Thermistors.

Regionally, the report analyzes the Positive Temperature Coefficient (PTC) Thermistors 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 Positive Temperature Coefficient (PTC) Thermistors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Positive Temperature Coefficient (PTC) Thermistors 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 Positive Temperature Coefficient (PTC) Thermistors 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 (Million Units), revenue generated, and market share of different by Technology (e.g., CPTC, PPTC).

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 Positive Temperature Coefficient (PTC) Thermistors market.

Regional Analysis: The report involves examining the Positive Temperature Coefficient (PTC) Thermistors 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 Positive Temperature Coefficient (PTC) Thermistors market. This may include estimating market growth rates, predicting market demand,

and identifying emerging trends.

The report also involves a more granular approach to Positive Temperature Coefficient (PTC) Thermistors:

Company Analysis: Report covers individual Positive Temperature Coefficient (PTC) Thermistors 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 Positive Temperature Coefficient (PTC) Thermistors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Computers/Peripherals, Telecom/Datacom Infrastructure).

Technology Analysis: Report covers specific technologies relevant to Positive Temperature Coefficient (PTC) Thermistors. It assesses the current state, advancements, and potential future developments in Positive Temperature Coefficient (PTC) Thermistors areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Positive Temperature Coefficient (PTC) Thermistors 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

Positive Temperature Coefficient (PTC) Thermistors market is split by Technology and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Technology, and by Application in terms of volume and value.

Market segment by Technology

CPTC

PPTC

Market segment by Application

Computers/Peripherals

Telecom/Datacom Infrastructure

Consumer Electronics

Medical Electronics

Automotive Electronics

Power Supplies/DC Converters

Home Appliance

Others

Major players covered

TE

Polytronics

Wayon

Bourns

Fuzetec

Sea & Land

Keter

Hollyland

TDK(EPCOS)

VISHAY

Amphenol(GE SENSING)

Jinke

MURATA

Thinking

HIEL

HGTECH

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 Positive Temperature Coefficient (PTC) Thermistors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Positive Temperature Coefficient (PTC) Thermistors, with price, sales, revenue and global market share of Positive

Temperature Coefficient (PTC) Thermistors from 2019 to 2024.

Chapter 3, the Positive Temperature Coefficient (PTC) Thermistors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Positive Temperature Coefficient (PTC) Thermistors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Technology and application, with sales market share and growth rate by technology, application, from 2019 to 2030.

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 2023. and Positive Temperature Coefficient (PTC) Thermistors market forecast, by regions, technology and application, with sales and revenue, from 2025 to 2030.

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 Positive Temperature Coefficient (PTC) Thermistors.

Chapter 14 and 15, to describe Positive Temperature Coefficient (PTC) Thermistors sales channel, distributors, customers, research findings and conclusion.

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