

Global Positive Temperature Coefficient (PTC) Thermistors Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

Summary

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.

According to APO Research, The global Positive Temperature Coefficient (PTC) Thermistors market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Positive Temperature Coefficient (PTC) Thermistors is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Positive Temperature Coefficient (PTC) Thermistors is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Positive Temperature Coefficient (PTC) Thermistors is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Positive Temperature Coefficient (PTC) Thermistors is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Positive Temperature Coefficient (PTC) Thermistors include TE, Polytronics, Wayon, Bourns, Fuzetec, Sea & Land, Keter, Hollyland and TDK(EPCOS), etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Positive Temperature Coefficient (PTC) Thermistors production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Positive Temperature Coefficient (PTC) Thermistors by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Positive Temperature Coefficient (PTC) Thermistors, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Positive Temperature Coefficient (PTC) Thermistors, also provides the consumption of main regions and countries. Of the upcoming market potential for Positive Temperature Coefficient (PTC) Thermistors, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Positive Temperature Coefficient (PTC) Thermistors sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Positive Temperature Coefficient (PTC) Thermistors market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report

will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Positive Temperature Coefficient (PTC) Thermistors sales, projected growth trends, production technology, application and end-user industry.

Positive Temperature Coefficient (PTC) Thermistors segment by Company

TE

Polytronics

Wayon

Bourns

Fuzetec

Sea & Land

Keter

Hollyland

TDK(EPCOS)

VISHAY

Amphenol(GE SENSING)

Jinke

MURATA

Thinking

HIEL

HGTECH

Positive Temperature Coefficient (PTC) Thermistors segment by Technology

CPTC

PPTC

Positive Temperature Coefficient (PTC) Thermistors segment by Application

Computers/Peripherals

Telecom/Datacom Infrastructure

Consumer Electronics

Medical Electronics

Automotive Electronics

Power Supplies/DC Converters

Home Appliance

Others

Positive Temperature Coefficient (PTC) Thermistors segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Positive Temperature Coefficient (PTC) Thermistors market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends

of Positive Temperature Coefficient (PTC) Thermistors and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Positive Temperature Coefficient (PTC) Thermistors.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Positive Temperature Coefficient (PTC) Thermistors market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Positive Temperature Coefficient (PTC) Thermistors industry.

Chapter 3: Detailed analysis of Positive Temperature Coefficient (PTC) Thermistors market competition landscape. Including Positive Temperature Coefficient (PTC) Thermistors manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering

the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Positive Temperature Coefficient (PTC) Thermistors by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Positive Temperature Coefficient (PTC) Thermistors in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Production Value Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Production Capacity Estimates and Forecasts (2019-2030)
 - 1.2.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Estimates and Forecasts (2019-2030)
 - 1.2.4 Global Positive Temperature Coefficient (PTC) Thermistors Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 GLOBAL POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET DYNAMICS

- 2.1 Positive Temperature Coefficient (PTC) Thermistors Industry Trends
- 2.2 Positive Temperature Coefficient (PTC) Thermistors Industry Drivers
- 2.3 Positive Temperature Coefficient (PTC) Thermistors Industry Opportunities and Challenges
- 2.4 Positive Temperature Coefficient (PTC) Thermistors Industry Restraints

3 POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET BY MANUFACTURERS

- 3.1 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Manufacturers (2019-2024)
- 3.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Manufacturers (2019-2024)
- 3.3 Global Positive Temperature Coefficient (PTC) Thermistors Average Price by Manufacturers (2019-2024)
- 3.4 Global Positive Temperature Coefficient (PTC) Thermistors Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Positive Temperature Coefficient (PTC) Thermistors Key Manufacturers Manufacturing Sites & Headquarters

3.6 Global Positive Temperature Coefficient (PTC) Thermistors Manufacturers, Product Type & Application

3.7 Global Positive Temperature Coefficient (PTC) Thermistors Manufacturers Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global Positive Temperature Coefficient (PTC) Thermistors Market CR5 and HHI

3.8.2 Global Top 5 and 10 Positive Temperature Coefficient (PTC) Thermistors Players Market Share by Production Value in 2023

3.8.3 2023 Positive Temperature Coefficient (PTC) Thermistors Tier 1, Tier 2, and Tier

4 POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET BY TYPE

4.1 Positive Temperature Coefficient (PTC) Thermistors Type Introduction

4.1.1 CPTC

4.1.2 PPTC

4.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Type

4.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Type (2019-2030)

4.2.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by Type (2019-2030)

4.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Type

4.3.1 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Type (2019-2030)

4.3.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by Type (2019-2030)

5 POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET BY APPLICATION

5.1 Positive Temperature Coefficient (PTC) Thermistors Application Introduction

5.1.1 Computers/Peripherals

5.1.2 Telecom/Datacom Infrastructure

5.1.3 Consumer Electronics

- 5.1.4 Medical Electronics
- 5.1.5 Automotive Electronics
- 5.1.6 Power Supplies/DC Converters
- 5.1.7 Home Appliance
- 5.1.8 Others

5.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Application

5.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Application (2019-2030)

5.2.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by Application (2019-2030)

5.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Application

5.3.1 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Application (2019-2030)

5.3.3 Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 TE

6.1.1 TE Company Information

6.1.2 TE Business Overview

6.1.3 TE Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.1.4 TE Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.1.5 TE Recent Developments

6.2 Polytronics

6.2.1 Polytronics Company Information

6.2.2 Polytronics Business Overview

6.2.3 Polytronics Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.2.4 Polytronics Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.2.5 Polytronics Recent Developments

6.3 Wayon

- 6.3.1 Wayon Comapny Information
- 6.3.2 Wayon Business Overview
- 6.3.3 Wayon Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
- 6.3.4 Wayon Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- 6.3.5 Wayon Recent Developments
- 6.4 Bourns
 - 6.4.1 Bourns Comapny Information
 - 6.4.2 Bourns Business Overview
 - 6.4.3 Bourns Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.4.4 Bourns Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.4.5 Bourns Recent Developments
- 6.5 Fuzetec
 - 6.5.1 Fuzetec Comapny Information
 - 6.5.2 Fuzetec Business Overview
 - 6.5.3 Fuzetec Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.5.4 Fuzetec Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.5.5 Fuzetec Recent Developments
- 6.6 Sea & Land
 - 6.6.1 Sea & Land Comapny Information
 - 6.6.2 Sea & Land Business Overview
 - 6.6.3 Sea & Land Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.6.4 Sea & Land Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.6.5 Sea & Land Recent Developments
- 6.7 Keter
 - 6.7.1 Keter Comapny Information
 - 6.7.2 Keter Business Overview
 - 6.7.3 Keter Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.7.4 Keter Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.7.5 Keter Recent Developments
- 6.8 Hollyland
 - 6.8.1 Hollyland Comapny Information
 - 6.8.2 Hollyland Business Overview
 - 6.8.3 Hollyland Positive Temperature Coefficient (PTC) Thermistors Production, Value

and Gross Margin (2019-2024)

6.8.4 Hollyland Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.8.5 Hollyland Recent Developments

6.9 TDK(EPCOS)

6.9.1 TDK(EPCOS) Company Information

6.9.2 TDK(EPCOS) Business Overview

6.9.3 TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.9.4 TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.9.5 TDK(EPCOS) Recent Developments

6.10 VISHAY

6.10.1 VISHAY Company Information

6.10.2 VISHAY Business Overview

6.10.3 VISHAY Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.10.4 VISHAY Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.10.5 VISHAY Recent Developments

6.11 Amphenol(GE SENSING)

6.11.1 Amphenol(GE SENSING) Company Information

6.11.2 Amphenol(GE SENSING) Business Overview

6.11.3 Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.11.4 Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.11.5 Amphenol(GE SENSING) Recent Developments

6.12 Jinke

6.12.1 Jinke Company Information

6.12.2 Jinke Business Overview

6.12.3 Jinke Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.12.4 Jinke Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

6.12.5 Jinke Recent Developments

6.13 MURATA

6.13.1 MURATA Company Information

6.13.2 MURATA Business Overview

6.13.3 MURATA Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)

6.13.4 MURATA Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

- 6.13.5 MURATA Recent Developments
- 6.14 Thinking
 - 6.14.1 Thinking Company Information
 - 6.14.2 Thinking Business Overview
 - 6.14.3 Thinking Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.14.4 Thinking Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.14.5 Thinking Recent Developments
- 6.15 HIEL
 - 6.15.1 HIEL Company Information
 - 6.15.2 HIEL Business Overview
 - 6.15.3 HIEL Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.15.4 HIEL Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.15.5 HIEL Recent Developments
- 6.16 HGTECH
 - 6.16.1 HGTECH Company Information
 - 6.16.2 HGTECH Business Overview
 - 6.16.3 HGTECH Positive Temperature Coefficient (PTC) Thermistors Production, Value and Gross Margin (2019-2024)
 - 6.16.4 HGTECH Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
 - 6.16.5 HGTECH Recent Developments

7 GLOBAL POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS PRODUCTION BY REGION

- 7.1 Global Positive Temperature Coefficient (PTC) Thermistors Production by Region: 2019 VS 2023 VS 2030
- 7.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Region (2019-2030)
 - 7.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Production by Region: 2019-2024
 - 7.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Production by Region (2025-2030)
- 7.3 Global Positive Temperature Coefficient (PTC) Thermistors Production by Region: 2019 VS 2023 VS 2030
- 7.4 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Region (2019-2030)
 - 7.4.1 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by

Region: 2019-2024

7.4.2 Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Region (2025-2030)

7.5 Global Positive Temperature Coefficient (PTC) Thermistors Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030)

7.6.2 Europe Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030)

7.6.3 Asia-Pacific Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030)

7.6.4 Latin America Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030)

7.6.5 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030)

8 GLOBAL POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS CONSUMPTION BY REGION

8.1 Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region (2019-2030)

8.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region (2019-2024)

8.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region (2025-2030)

8.3 North America

8.3.1 North America Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.3.2 North America Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe Positive Temperature Coefficient (PTC) Thermistors Consumption by

Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Positive Temperature Coefficient (PTC) Thermistors Consumption

Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA Positive Temperature Coefficient (PTC) Thermistors Consumption

Growth Rate by Country: 2019 VS 2023 VS 2030

8.6.2 LAMEA Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Positive Temperature Coefficient (PTC) Thermistors Value Chain Analysis

9.1.1 Positive Temperature Coefficient (PTC) Thermistors Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Positive Temperature Coefficient (PTC) Thermistors Production Mode & Process

9.2 Positive Temperature Coefficient (PTC) Thermistors Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Positive Temperature Coefficient (PTC) Thermistors Distributors

9.2.3 Positive Temperature Coefficient (PTC) Thermistors Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Positive Temperature Coefficient (PTC) Thermistors Industry Trends
- Table 2. Positive Temperature Coefficient (PTC) Thermistors Industry Drivers
- Table 3. Positive Temperature Coefficient (PTC) Thermistors Industry Opportunities and Challenges
- Table 4. Positive Temperature Coefficient (PTC) Thermistors Industry Restraints
- Table 5. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Manufacturers (US\$ Million) & (2019-2024)
- Table 6. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by Manufacturers (2019-2024)
- Table 7. Global Positive Temperature Coefficient (PTC) Thermistors Production by Manufacturers (Million Units) & (2019-2024)
- Table 8. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by Manufacturers
- Table 9. Global Positive Temperature Coefficient (PTC) Thermistors Average Price (USD/K Units) of Manufacturers (2019-2024)
- Table 10. Global Positive Temperature Coefficient (PTC) Thermistors Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 11. Global Positive Temperature Coefficient (PTC) Thermistors Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 12. Global Positive Temperature Coefficient (PTC) Thermistors Key Manufacturers Manufacturing Sites & Headquarters
- Table 13. Global Positive Temperature Coefficient (PTC) Thermistors Manufacturers, Product Type & Application
- Table 14. Global Positive Temperature Coefficient (PTC) Thermistors Manufacturers Commercialization Time
- Table 15. Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 16. Global Positive Temperature Coefficient (PTC) Thermistors by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)
- Table 17. Major Manufacturers of CPTC
- Table 18. Major Manufacturers of PPTC
- Table 19. Global Positive Temperature Coefficient (PTC) Thermistors Production by type 2019 VS 2023 VS 2030 (Million Units)
- Table 20. Global Positive Temperature Coefficient (PTC) Thermistors Production by type (2019-2024) & (Million Units)
- Table 21. Global Positive Temperature Coefficient (PTC) Thermistors Production by

type (2025-2030) & (Million Units)

Table 22. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by type (2019-2024)

Table 23. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by type (2025-2030)

Table 24. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by type 2019 VS 2023 VS 2030 (Million Units)

Table 25. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by type (2019-2024) & (Million Units)

Table 26. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by type (2025-2030) & (Million Units)

Table 27. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by type (2019-2024)

Table 28. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by type (2025-2030)

Table 29. Major Manufacturers of Computers/Peripherals

Table 30. Major Manufacturers of Telecom/Datacom Infrastructure

Table 31. Major Manufacturers of Consumer Electronics

Table 32. Major Manufacturers of Medical Electronics

Table 33. Major Manufacturers of Automotive Electronics

Table 34. Major Manufacturers of Power Supplies/DC Converters

Table 35. Major Manufacturers of Home Appliance

Table 36. Major Manufacturers of Others

Table 37. Global Positive Temperature Coefficient (PTC) Thermistors Production by application 2019 VS 2023 VS 2030 (Million Units)

Table 38. Global Positive Temperature Coefficient (PTC) Thermistors Production by application (2019-2024) & (Million Units)

Table 39. Global Positive Temperature Coefficient (PTC) Thermistors Production by application (2025-2030) & (Million Units)

Table 40. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by application (2019-2024)

Table 41. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by application (2025-2030)

Table 42. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by application 2019 VS 2023 VS 2030 (Million Units)

Table 43. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by application (2019-2024) & (Million Units)

Table 44. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by application (2025-2030) & (Million Units)

- Table 45. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by application (2019-2024)
- Table 46. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Market Share by application (2025-2030)
- Table 47. TE Company Information
- Table 48. TE Business Overview
- Table 49. TE Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 50. TE Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- Table 51. TE Recent Development
- Table 52. Polytronics Company Information
- Table 53. Polytronics Business Overview
- Table 54. Polytronics Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 55. Polytronics Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- Table 56. Polytronics Recent Development
- Table 57. Wayon Company Information
- Table 58. Wayon Business Overview
- Table 59. Wayon Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 60. Wayon Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- Table 61. Wayon Recent Development
- Table 62. Bourns Company Information
- Table 63. Bourns Business Overview
- Table 64. Bourns Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 65. Bourns Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- Table 66. Bourns Recent Development
- Table 67. Fuzetec Company Information
- Table 68. Fuzetec Business Overview
- Table 69. Fuzetec Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 70. Fuzetec Positive Temperature Coefficient (PTC) Thermistors Product Portfolio
- Table 71. Fuzetec Recent Development
- Table 72. Sea & Land Company Information
- Table 73. Sea & Land Business Overview
- Table 74. Sea & Land Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 75. Sea & Land Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 76. Sea & Land Recent Development

Table 77. Keter Company Information

Table 78. Keter Business Overview

Table 79. Keter Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 80. Keter Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 81. Keter Recent Development

Table 82. Hollyland Company Information

Table 83. Hollyland Business Overview

Table 84. Hollyland Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 85. Hollyland Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 86. Hollyland Recent Development

Table 87. TDK(EPCOS) Company Information

Table 88. TDK(EPCOS) Business Overview

Table 89. TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 90. TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 91. TDK(EPCOS) Recent Development

Table 92. VISHAY Company Information

Table 93. VISHAY Business Overview

Table 94. VISHAY Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 95. VISHAY Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 96. VISHAY Recent Development

Table 97. Amphenol(GE SENSING) Company Information

Table 98. Amphenol(GE SENSING) Business Overview

Table 99. Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 100. Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 101. Amphenol(GE SENSING) Recent Development

Table 102. Jinke Company Information

Table 103. Jinke Business Overview

Table 104. Jinke Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 105. Jinke Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 106. Jinke Recent Development

Table 107. MURATA Company Information

Table 108. MURATA Business Overview

Table 109. MURATA Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 110. MURATA Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 111. MURATA Recent Development

Table 112. Thinking Company Information

Table 113. Thinking Business Overview

Table 114. Thinking Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 115. Thinking Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 116. Thinking Recent Development

Table 117. HIEL Company Information

Table 118. HIEL Business Overview

Table 119. HIEL Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 120. HIEL Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 121. HIEL Recent Development

Table 122. HGTECH Company Information

Table 123. HGTECH Business Overview

Table 124. HGTECH Positive Temperature Coefficient (PTC) Thermistors Production (Million Units), Value (US\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 125. HGTECH Positive Temperature Coefficient (PTC) Thermistors Product Portfolio

Table 126. HGTECH Recent Development

Table 127. Global Positive Temperature Coefficient (PTC) Thermistors Production by Region: 2019 VS 2023 VS 2030 (Million Units)

Table 128. Global Positive Temperature Coefficient (PTC) Thermistors Production by Region (2019-2024) & (Million Units)

Table 129. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by Region (2019-2024)

Table 130. Global Positive Temperature Coefficient (PTC) Thermistors Production

Forecast by Region (2025-2030) & (Million Units)

Table 131. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share Forecast by Region (2025-2030)

Table 132. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 133. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Region (2019-2024) & (US\$ Million)

Table 134. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Forecast by Region (2025-2030) & (US\$ Million)

Table 135. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Share Forecast by Region: (2025-2030) & (US\$ Million)

Table 136. Global Positive Temperature Coefficient (PTC) Thermistors Market Average Price (USD/K Units) by Region (2019-2024)

Table 137. Global Positive Temperature Coefficient (PTC) Thermistors Market Average Price (USD/K Units) by Region (2025-2030)

Table 138. Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region: 2019 VS 2023 VS 2030 (Million Units)

Table 139. Global Positive Temperature Coefficient (PTC) Thermistors Consumption by Region (2019-2024) & (Million Units)

Table 140. Global Positive Temperature Coefficient (PTC) Thermistors Consumption Market Share by Region (2019-2024)

Table 141. Global Positive Temperature Coefficient (PTC) Thermistors Consumption Forecasted by Region (2025-2030) & (Million Units)

Table 142. Global Positive Temperature Coefficient (PTC) Thermistors Consumption Forecasted Market Share by Region (2025-2030)

Table 143. North America Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Million Units)

Table 144. North America Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2024) & (Million Units)

Table 145. North America Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2025-2030) & (Million Units)

Table 146. Europe Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Million Units)

Table 147. Europe Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2024) & (Million Units)

Table 148. Europe Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2025-2030) & (Million Units)

Table 149. Asia Pacific Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Million Units)

Table 150. Asia Pacific Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2024) & (Million Units)

Table 151. Asia Pacific Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2025-2030) & (Million Units)

Table 152. LAMEA Positive Temperature Coefficient (PTC) Thermistors Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (Million Units)

Table 153. LAMEA Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2019-2024) & (Million Units)

Table 154. LAMEA Positive Temperature Coefficient (PTC) Thermistors Consumption by Country (2025-2030) & (Million Units)

Table 155. Key Raw Materials

Table 156. Raw Materials Key Suppliers

Table 157. Positive Temperature Coefficient (PTC) Thermistors Distributors List

Table 158. Positive Temperature Coefficient (PTC) Thermistors Customers List

Table 159. Research Programs/Design for This Report

Table 160. Authors List of This Report

Table 161. Secondary Sources

Table 162. Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Positive Temperature Coefficient (PTC) Thermistors Product Picture
- Figure 2. Global Positive Temperature Coefficient (PTC) Thermistors Production Value (US\$ Million), 2019 VS 2023 VS 2030
- Figure 3. Global Positive Temperature Coefficient (PTC) Thermistors Production Value (2019-2030) & (US\$ Million)
- Figure 4. Global Positive Temperature Coefficient (PTC) Thermistors Production Capacity (2019-2030) & (Million Units)
- Figure 5. Global Positive Temperature Coefficient (PTC) Thermistors Production (2019-2030) & (Million Units)
- Figure 6. Global Positive Temperature Coefficient (PTC) Thermistors Average Price (USD/K Units) & (2019-2030)
- Figure 7. Global Top 5 and 10 Positive Temperature Coefficient (PTC) Thermistors Players Market Share by Production Value in 2023
- Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 9. CPTC Picture
- Figure 10. PPTC Picture
- Figure 11. Global Positive Temperature Coefficient (PTC) Thermistors Production by Type (2019 VS 2023 VS 2030) & (Million Units)
- Figure 12. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share 2019 VS 2023 VS 2030
- Figure 13. Global Positive Temperature Coefficient (PTC) Thermistors Production Market Share by Type (2019-2030)
- Figure 14. Global Positive Temperature Coefficient (PTC) Thermistors Production Value by Type (2019 VS 2023 VS 2030) & (Million Units)
- Figure 15. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Share 2019 VS 2023 VS 2030
- Figure 16. Global Positive Temperature Coefficient (PTC) Thermistors Production Value Share by Type (2019-2030)
- Figure 17. Computers/Peripherals Picture
- Figure 18. Telecom/Datacom Infrastructure Picture
- Figure 19. Consumer Electronics Picture
- Figure 20. Medical Electronics Picture
- Figure 21. Automotive Electronics Picture
- Figure 22. Power Supplies/DC Converters Picture
- Figure 23. Home Appliance Picture

Figure 24. Others Picture

Figure 25. Global Positive Temperature Coefficient (PTC) Thermistors Production by Application (2019 VS 2023 VS 2030) & (Million Units)

Figure 26. Global Positive Temperature Coefficient (PTC) Thermistors Produ

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