

Global Positive Temperature Coefficient (PTC) Thermistors Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Positive Temperature Coefficient (PTC) Thermistors market size was valued at US\$ 316 million in 2023. With growing demand in downstream market, the Positive Temperature Coefficient (PTC) Thermistors is forecast to a readjusted size of US\$ 450.2 million by 2030 with a CAGR of 5.2% during review period.

The research report highlights the growth potential of the global Positive Temperature Coefficient (PTC) Thermistors market. Positive Temperature Coefficient (PTC) Thermistors are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Positive Temperature Coefficient (PTC) Thermistors. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Positive Temperature Coefficient (PTC) Thermistors market.

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.

Key Features:

The report on Positive Temperature Coefficient (PTC) Thermistors market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Positive Temperature Coefficient (PTC) Thermistors market. It may include historical data, market segmentation by Technology (e.g., CPTC, PPTC), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Positive Temperature Coefficient (PTC) Thermistors market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Positive Temperature Coefficient (PTC) Thermistors market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Positive Temperature Coefficient (PTC) Thermistors industry. This include advancements in Positive Temperature Coefficient (PTC) Thermistors technology, Positive Temperature Coefficient (PTC) Thermistors new entrants, Positive Temperature Coefficient (PTC) Thermistors new investment, and other innovations that are shaping the future of Positive Temperature Coefficient (PTC) Thermistors.

Downstream Procumbent Preference: The report can shed light on customer



procumbent behaviour and adoption trends in the Positive Temperature Coefficient (PTC) Thermistors market. It includes factors influencing customer 'purchasing decisions, preferences for Positive Temperature Coefficient (PTC) Thermistors product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Positive Temperature Coefficient (PTC) Thermistors market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Positive Temperature Coefficient (PTC) Thermistors market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Positive Temperature Coefficient (PTC) Thermistors market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Positive Temperature Coefficient (PTC) Thermistors industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Positive Temperature Coefficient (PTC) Thermistors market.

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.

Segmentation by technology

CPTC

PPTC



Segmentation by application
Computers/Peripherals
Telecom/Datacom Infrastructure
Consumer Electronics
Medical Electronics
Automotive Electronics
Power Supplies/DC Converters
Home Appliance
Others
This report also splits the market by region:
This report also splits the market by region: Americas
Americas
Americas United States
Americas United States Canada
Americas United States Canada Mexico
Americas United States Canada Mexico Brazil



	Korea
	Southeast Asia
	India
	Australia
Europ	e
	Germany
	France
	UK
	Italy
	Russia
Middle	e East & Africa
	Egypt
	South Africa
	Israel
	Turkey
	GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

TE



Polytronics
Wayon
Bourns
Fuzetec
Sea & Land
Keter
Hollyland
TDK(EPCOS)
VISHAY
Amphenol(GE SENSING)
Jinke
MURATA
Thinking
HIEL
HGTECH
vestions Addressed in this Deport

Key Questions Addressed in this Report

What is the 10-year outlook for the global Positive Temperature Coefficient (PTC) Thermistors market?

What factors are driving Positive Temperature Coefficient (PTC) Thermistors market growth, globally and by region?



Which technologies are poised for the fastest growth by market and region?

How do Positive Temperature Coefficient (PTC) Thermistors market opportunities vary by end market size?

How does Positive Temperature Coefficient (PTC) Thermistors break out technology, application?



Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
- 2.1.1 Global Positive Temperature Coefficient (PTC) Thermistors Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for Positive Temperature Coefficient (PTC) Thermistors by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for Positive Temperature Coefficient (PTC) Thermistors by Country/Region, 2019, 2023 & 2030
- 2.2 Positive Temperature Coefficient (PTC) Thermistors Segment by Technology
 - 2.2.1 CPTC
 - 2.2.2 PPTC
- 2.3 Positive Temperature Coefficient (PTC) Thermistors Sales by Technology
- 2.3.1 Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)
- 2.3.2 Global Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Technology (2019-2024)
- 2.3.3 Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by Technology (2019-2024)
- 2.4 Positive Temperature Coefficient (PTC) Thermistors Segment by Application
 - 2.4.1 Computers/Peripherals
 - 2.4.2 Telecom/Datacom Infrastructure
 - 2.4.3 Consumer Electronics
 - 2.4.4 Medical Electronics
 - 2.4.5 Automotive Electronics
 - 2.4.6 Power Supplies/DC Converters



- 2.4.7 Home Appliance
- 2.4.8 Others
- 2.5 Positive Temperature Coefficient (PTC) Thermistors Sales by Application
- 2.5.1 Global Positive Temperature Coefficient (PTC) Thermistors Sale Market Share by Application (2019-2024)
- 2.5.2 Global Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Application (2019-2024)
- 2.5.3 Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by Application (2019-2024)

3 GLOBAL POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS BY COMPANY

- 3.1 Global Positive Temperature Coefficient (PTC) Thermistors Breakdown Data by Company
- 3.1.1 Global Positive Temperature Coefficient (PTC) Thermistors Annual Sales by Company (2019-2024)
- 3.1.2 Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Company (2019-2024)
- 3.2 Global Positive Temperature Coefficient (PTC) Thermistors Annual Revenue by Company (2019-2024)
- 3.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Company (2019-2024)
- 3.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Company (2019-2024)
- 3.3 Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by Company
- 3.4 Key Manufacturers Positive Temperature Coefficient (PTC) Thermistors Producing Area Distribution, Sales Area, Product Type
- 3.4.1 Key Manufacturers Positive Temperature Coefficient (PTC) Thermistors Product Location Distribution
 - 3.4.2 Players Positive Temperature Coefficient (PTC) Thermistors Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS BY GEOGRAPHIC REGION



- 4.1 World Historic Positive Temperature Coefficient (PTC) Thermistors Market Size by Geographic Region (2019-2024)
- 4.1.1 Global Positive Temperature Coefficient (PTC) Thermistors Annual Sales by Geographic Region (2019-2024)
- 4.1.2 Global Positive Temperature Coefficient (PTC) Thermistors Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic Positive Temperature Coefficient (PTC) Thermistors Market Size by Country/Region (2019-2024)
- 4.2.1 Global Positive Temperature Coefficient (PTC) Thermistors Annual Sales by Country/Region (2019-2024)
- 4.2.2 Global Positive Temperature Coefficient (PTC) Thermistors Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Positive Temperature Coefficient (PTC) Thermistors Sales Growth
- 4.4 APAC Positive Temperature Coefficient (PTC) Thermistors Sales Growth
- 4.5 Europe Positive Temperature Coefficient (PTC) Thermistors Sales Growth
- 4.6 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Growth

5 AMERICAS

- 5.1 Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Country
- 5.1.1 Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024)
- 5.1.2 Americas Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024)
- 5.2 Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Technology
- 5.3 Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Region 6.1.1 APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Region (2019-2024)
- 6.1.2 APAC Positive Temperature Coefficient (PTC) Thermistors Revenue by Region



(2019-2024)

- 6.2 APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Technology
- 6.3 APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Positive Temperature Coefficient (PTC) Thermistors by Country
- 7.1.1 Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024)
- 7.1.2 Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024)
- 7.2 Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Technology
- 7.3 Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors by Country
- 8.1.1 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024)
- 8.1.2 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Technology
- 8.3 Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Application
- 8.4 Egypt



- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Positive Temperature Coefficient (PTC) Thermistors
- 10.3 Manufacturing Process Analysis of Positive Temperature Coefficient (PTC) Thermistors
- 10.4 Industry Chain Structure of Positive Temperature Coefficient (PTC) Thermistors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Positive Temperature Coefficient (PTC) Thermistors Distributors
- 11.3 Positive Temperature Coefficient (PTC) Thermistors Customer

12 WORLD FORECAST REVIEW FOR POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS BY GEOGRAPHIC REGION

- 12.1 Global Positive Temperature Coefficient (PTC) Thermistors Market Size Forecast by Region
- 12.1.1 Global Positive Temperature Coefficient (PTC) Thermistors Forecast by Region (2025-2030)
- 12.1.2 Global Positive Temperature Coefficient (PTC) Thermistors Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region



- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Positive Temperature Coefficient (PTC) Thermistors Forecast by Technology
- 12.7 Global Positive Temperature Coefficient (PTC) Thermistors Forecast by Application

13 KEY PLAYERS ANALYSIS

- 13.1 TE
 - 13.1.1 TE Company Information
- 13.1.2 TE Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.1.3 TE Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.1.4 TE Main Business Overview
 - 13.1.5 TE Latest Developments
- 13.2 Polytronics
 - 13.2.1 Polytronics Company Information
- 13.2.2 Polytronics Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
 - 13.2.3 Polytronics Positive Temperature Coefficient (PTC) Thermistors Sales,

Revenue, Price and Gross Margin (2019-2024)

- 13.2.4 Polytronics Main Business Overview
- 13.2.5 Polytronics Latest Developments
- 13.3 Wayon
 - 13.3.1 Wayon Company Information
- 13.3.2 Wayon Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.3.3 Wayon Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.3.4 Wayon Main Business Overview
 - 13.3.5 Wayon Latest Developments
- 13.4 Bourns
 - 13.4.1 Bourns Company Information
- 13.4.2 Bourns Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.4.3 Bourns Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)



- 13.4.4 Bourns Main Business Overview
- 13.4.5 Bourns Latest Developments
- 13.5 Fuzetec
 - 13.5.1 Fuzetec Company Information
- 13.5.2 Fuzetec Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.5.3 Fuzetec Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue,
- Price and Gross Margin (2019-2024)
 - 13.5.4 Fuzetec Main Business Overview
 - 13.5.5 Fuzetec Latest Developments
- 13.6 Sea & Land
 - 13.6.1 Sea & Land Company Information
- 13.6.2 Sea & Land Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.6.3 Sea & Land Positive Temperature Coefficient (PTC) Thermistors Sales,

Revenue, Price and Gross Margin (2019-2024)

- 13.6.4 Sea & Land Main Business Overview
- 13.6.5 Sea & Land Latest Developments
- 13.7 Keter
 - 13.7.1 Keter Company Information
- 13.7.2 Keter Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.7.3 Keter Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Keter Main Business Overview
 - 13.7.5 Keter Latest Developments
- 13.8 Hollyland
 - 13.8.1 Hollyland Company Information
- 13.8.2 Hollyland Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- 13.8.3 Hollyland Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Hollyland Main Business Overview
 - 13.8.5 Hollyland Latest Developments
- 13.9 TDK(EPCOS)
 - 13.9.1 TDK(EPCOS) Company Information
- 13.9.2 TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
 - 13.9.3 TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Sales,



Revenue, Price and Gross Margin (2019-2024)

13.9.4 TDK(EPCOS) Main Business Overview

13.9.5 TDK(EPCOS) Latest Developments

13.10 VISHAY

13.10.1 VISHAY Company Information

13.10.2 VISHAY Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

13.10.3 VISHAY Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue,

Price and Gross Margin (2019-2024)

13.10.4 VISHAY Main Business Overview

13.10.5 VISHAY Latest Developments

13.11 Amphenol(GE SENSING)

13.11.1 Amphenol(GE SENSING) Company Information

13.11.2 Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors

Product Portfolios and Specifications

13.11.3 Amphenol(GE SENSING) Positive Temperature Coefficient (PTC) Thermistors

Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Amphenol(GE SENSING) Main Business Overview

13.11.5 Amphenol(GE SENSING) Latest Developments

13.12 Jinke

13.12.1 Jinke Company Information

13.12.2 Jinke Positive Temperature Coefficient (PTC) Thermistors Product Portfolios

and Specifications

13.12.3 Jinke Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue,

Price and Gross Margin (2019-2024)

13.12.4 Jinke Main Business Overview

13.12.5 Jinke Latest Developments

13.13 MURATA

13.13.1 MURATA Company Information

13.13.2 MURATA Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

13.13.3 MURATA Positive Temperature Coefficient (PTC) Thermistors Sales,

Revenue, Price and Gross Margin (2019-2024)

13.13.4 MURATA Main Business Overview

13.13.5 MURATA Latest Developments

13.14 Thinking

13.14.1 Thinking Company Information

13.14.2 Thinking Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications



13.14.3 Thinking Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Thinking Main Business Overview

13.14.5 Thinking Latest Developments

13.15 HIEL

13.15.1 HIEL Company Information

13.15.2 HIEL Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

13.15.3 HIEL Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.15.4 HIEL Main Business Overview

13.15.5 HIEL Latest Developments

13.16 HGTECH

13.16.1 HGTECH Company Information

13.16.2 HGTECH Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

13.16.3 HGTECH Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.16.4 HGTECH Main Business Overview

13.16.5 HGTECH Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION



List Of Tables

LIST OF TABLES

Table 1. Positive Temperature Coefficient (PTC) Thermistors Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Positive Temperature Coefficient (PTC) Thermistors Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of CPTC

Table 4. Major Players of PPTC

Table 5. Global Positive Temperature Coefficient (PTC) Thermistors Sales by Technology (2019-2024) & (Million Units)

Table 6. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)

Table 7. Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Technology (2019-2024) & (\$ million)

Table 8. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Technology (2019-2024)

Table 9. Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by Technology (2019-2024) & (USD/K Units)

Table 10. Global Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2019-2024) & (Million Units)

Table 11. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2019-2024)

Table 12. Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Application (2019-2024)

Table 13. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Application (2019-2024)

Table 14. Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by Application (2019-2024) & (USD/K Units)

Table 15. Global Positive Temperature Coefficient (PTC) Thermistors Sales by Company (2019-2024) & (Million Units)

Table 16. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Company (2019-2024)

Table 17. Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Company (2019-2024)

Table 19. Global Positive Temperature Coefficient (PTC) Thermistors Sale Price by



Company (2019-2024) & (USD/K Units)

Table 20. Key Manufacturers Positive Temperature Coefficient (PTC) Thermistors Producing Area Distribution and Sales Area

Table 21. Players Positive Temperature Coefficient (PTC) Thermistors Products Offered

Table 22. Positive Temperature Coefficient (PTC) Thermistors Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Positive Temperature Coefficient (PTC) Thermistors Sales by Geographic Region (2019-2024) & (Million Units)

Table 26. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share Geographic Region (2019-2024)

Table 27. Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Positive Temperature Coefficient (PTC) Thermistors Sales by Country/Region (2019-2024) & (Million Units)

Table 30. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country/Region (2019-2024)

Table 31. Global Positive Temperature Coefficient (PTC) Thermistors Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024) & (Million Units)

Table 34. Americas Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country (2019-2024)

Table 35. Americas Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country (2019-2024)

Table 37. Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2019-2024) & (Million Units)

Table 38. Americas Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2019-2024) & (Million Units)

Table 39. APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Region (2019-2024) & (Million Units)

Table 40. APAC Positive Temperature Coefficient (PTC) Thermistors Sales Market



Share by Region (2019-2024)

Table 41. APAC Positive Temperature Coefficient (PTC) Thermistors Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Region (2019-2024)

Table 43. APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Technology (2019-2024) & (Million Units)

Table 44. APAC Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2019-2024) & (Million Units)

Table 45. Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024) & (Million Units)

Table 46. Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country (2019-2024)

Table 47. Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country (2019-2024)

Table 49. Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2019-2024) & (Million Units)

Table 50. Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2019-2024) & (Million Units)

Table 51. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Country (2019-2024) & (Million Units)

Table 52. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Technology (2019-2024) & (Million Units)

Table 56. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2019-2024) & (Million Units)

Table 57. Key Market Drivers & Growth Opportunities of Positive Temperature Coefficient (PTC) Thermistors

Table 58. Key Market Challenges & Risks of Positive Temperature Coefficient (PTC) Thermistors

Table 59. Key Industry Trends of Positive Temperature Coefficient (PTC) Thermistors

Table 60. Positive Temperature Coefficient (PTC) Thermistors Raw Material



- Table 61. Key Suppliers of Raw Materials
- Table 62. Positive Temperature Coefficient (PTC) Thermistors Distributors List
- Table 63. Positive Temperature Coefficient (PTC) Thermistors Customer List
- Table 64. Global Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Region (2025-2030) & (Million Units)
- Table 65. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 66. Americas Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Country (2025-2030) & (Million Units)
- Table 67. Americas Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 68. APAC Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Region (2025-2030) & (Million Units)
- Table 69. APAC Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 70. Europe Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Country (2025-2030) & (Million Units)
- Table 71. Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 72. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Country (2025-2030) & (Million Units)
- Table 73. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 74. Global Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Technology (2025-2030) & (Million Units)
- Table 75. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Technology (2025-2030) & (\$ Millions)
- Table 76. Global Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Application (2025-2030) & (Million Units)
- Table 77. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 78. TE Basic Information, Positive Temperature Coefficient (PTC) Thermistors Manufacturing Base, Sales Area and Its Competitors
- Table 79. TE Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications
- Table 80. TE Positive Temperature Coefficient (PTC) Thermistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)
- Table 81. TE Main Business
- Table 82. TE Latest Developments



Table 83. Polytronics Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 84. Polytronics Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

Table 85. Polytronics Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 86. Polytronics Main Business

Table 87. Polytronics Latest Developments

Table 88. Wayon Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 89. Wayon Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

Table 90. Wayon Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 91. Wayon Main Business

Table 92. Wayon Latest Developments

Table 93. Bourns Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 94. Bourns Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

Table 95. Bourns Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 96. Bourns Main Business

Table 97. Bourns Latest Developments

Table 98. Fuzetec Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 99. Fuzetec Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

Table 100. Fuzetec Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 101. Fuzetec Main Business

Table 102. Fuzetec Latest Developments

Table 103. Sea & Land Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 104. Sea & Land Positive Temperature Coefficient (PTC) Thermistors Product

Portfolios and Specifications

Table 105. Sea & Land Positive Temperature Coefficient (PTC) Thermistors Sales

(Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 106. Sea & Land Main Business



Table 107. Sea & Land Latest Developments

Table 108. Keter Basic Information, Positive Temperature Coefficient (PTC) Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 109. Keter Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 110. Keter Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 111. Keter Main Business

Table 112. Keter Latest Developments

Table 113. Hollyland Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 114. Hollyland Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 115. Hollyland Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 116. Hollyland Main Business

Table 117. Hollyland Latest Developments

Table 118. TDK(EPCOS) Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 119. TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 120. TDK(EPCOS) Positive Temperature Coefficient (PTC) Thermistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 121. TDK(EPCOS) Main Business

Table 122. TDK(EPCOS) Latest Developments

Table 123. VISHAY Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 124. VISHAY Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 125. VISHAY Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 126. VISHAY Main Business

Table 127. VISHAY Latest Developments

Table 128. Amphenol(GE SENSING) Basic Information, Positive Temperature

Coefficient (PTC) Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 129. Amphenol(GE SENSING) Positive Temperature Coefficient (PTC)

Thermistors Product Portfolios and Specifications

Table 130. Amphenol(GE SENSING) Positive Temperature Coefficient (PTC)

Thermistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross



Margin (2019-2024)

Table 131. Amphenol(GE SENSING) Main Business

Table 132. Amphenol(GE SENSING) Latest Developments

Table 133. Jinke Basic Information, Positive Temperature Coefficient (PTC) Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 134. Jinke Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 135. Jinke Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 136. Jinke Main Business

Table 137. Jinke Latest Developments

Table 138. MURATA Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 139. MURATA Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 140. MURATA Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 141. MURATA Main Business

Table 142. MURATA Latest Developments

Table 143. Thinking Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 144. Thinking Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 145. Thinking Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 146. Thinking Main Business

Table 147. Thinking Latest Developments

Table 148. HIEL Basic Information, Positive Temperature Coefficient (PTC) Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 149. HIEL Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications

Table 150. HIEL Positive Temperature Coefficient (PTC) Thermistors Sales (Million

Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024)

Table 151. HIEL Main Business

Table 152. HIEL Latest Developments

Table 153. HGTECH Basic Information, Positive Temperature Coefficient (PTC)

Thermistors Manufacturing Base, Sales Area and Its Competitors

Table 154. HGTECH Positive Temperature Coefficient (PTC) Thermistors Product Portfolios and Specifications



Table 155. HGTECH Positive Temperature Coefficient (PTC) Thermistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2019-2024) Table 156. HGTECH Main Business
Table 157. HGTECH Latest Developments



List Of Figures

LIST OF FIGURES

Figure 1. Picture of Positive Temperature Coefficient (PTC) Thermistors

Figure 2. Positive Temperature Coefficient (PTC) Thermistors Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Positive Temperature Coefficient (PTC) Thermistors Sales Growth

Rate 2019-2030 (Million Units)

Figure 7. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Growth

Rate 2019-2030 (\$ Millions)

Figure 8. Positive Temperature Coefficient (PTC) Thermistors Sales by Region (2019,

2023 & 2030) & (\$ Millions)

Figure 9. Product Picture of CPTC

Figure 10. Product Picture of PPTC

Figure 11. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market

Share by Technology in 2023

Figure 12. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market

Share by Technology (2019-2024)

Figure 13. Positive Temperature Coefficient (PTC) Thermistors Consumed in

Computers/Peripherals

Figure 14. Global Positive Temperature Coefficient (PTC) Thermistors Market:

Computers/Peripherals (2019-2024) & (Million Units)

Figure 15. Positive Temperature Coefficient (PTC) Thermistors Consumed in

Telecom/Datacom Infrastructure

Figure 16. Global Positive Temperature Coefficient (PTC) Thermistors Market:

Telecom/Datacom Infrastructure (2019-2024) & (Million Units)

Figure 17. Positive Temperature Coefficient (PTC) Thermistors Consumed in Consumer

Electronics

Figure 18. Global Positive Temperature Coefficient (PTC) Thermistors Market:

Consumer Electronics (2019-2024) & (Million Units)

Figure 19. Positive Temperature Coefficient (PTC) Thermistors Consumed in Medical

Electronics

Figure 20. Global Positive Temperature Coefficient (PTC) Thermistors Market: Medical

Electronics (2019-2024) & (Million Units)

Figure 21. Positive Temperature Coefficient (PTC) Thermistors Consumed in

Automotive Electronics



- Figure 22. Global Positive Temperature Coefficient (PTC) Thermistors Market: Automotive Electronics (2019-2024) & (Million Units)
- Figure 23. Positive Temperature Coefficient (PTC) Thermistors Consumed in Power Supplies/DC Converters
- Figure 24. Global Positive Temperature Coefficient (PTC) Thermistors Market: Power Supplies/DC Converters (2019-2024) & (Million Units)
- Figure 25. Positive Temperature Coefficient (PTC) Thermistors Consumed in Home Appliance
- Figure 26. Global Positive Temperature Coefficient (PTC) Thermistors Market: Home Appliance (2019-2024) & (Million Units)
- Figure 27. Positive Temperature Coefficient (PTC) Thermistors Consumed in Others
- Figure 28. Global Positive Temperature Coefficient (PTC) Thermistors Market: Others (2019-2024) & (Million Units)
- Figure 29. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2023)
- Figure 30. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Application in 2023
- Figure 31. Positive Temperature Coefficient (PTC) Thermistors Sales Market by Company in 2023 (Million Units)
- Figure 32. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Company in 2023
- Figure 33. Positive Temperature Coefficient (PTC) Thermistors Revenue Market by Company in 2023 (\$ Million)
- Figure 34. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Company in 2023
- Figure 35. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Geographic Region (2019-2024)
- Figure 36. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Geographic Region in 2023
- Figure 37. Americas Positive Temperature Coefficient (PTC) Thermistors Sales 2019-2024 (Million Units)
- Figure 38. Americas Positive Temperature Coefficient (PTC) Thermistors Revenue 2019-2024 (\$ Millions)
- Figure 39. APAC Positive Temperature Coefficient (PTC) Thermistors Sales 2019-2024 (Million Units)
- Figure 40. APAC Positive Temperature Coefficient (PTC) Thermistors Revenue 2019-2024 (\$ Millions)
- Figure 41. Europe Positive Temperature Coefficient (PTC) Thermistors Sales 2019-2024 (Million Units)



Figure 42. Europe Positive Temperature Coefficient (PTC) Thermistors Revenue 2019-2024 (\$ Millions)

Figure 43. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales 2019-2024 (Million Units)

Figure 44. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue 2019-2024 (\$ Millions)

Figure 45. Americas Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country in 2023

Figure 46. Americas Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country in 2023

Figure 47. Americas Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)

Figure 48. Americas Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2019-2024)

Figure 49. United States Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Canada Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 51. Mexico Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Brazil Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 53. APAC Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Region in 2023

Figure 54. APAC Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Regions in 2023

Figure 55. APAC Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)

Figure 56. APAC Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2019-2024)

Figure 57. China Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Japan Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 59. South Korea Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 60. Southeast Asia Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 61. India Positive Temperature Coefficient (PTC) Thermistors Revenue Growth



2019-2024 (\$ Millions)

Figure 62. Australia Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 63. China Taiwan Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country in 2023

Figure 65. Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country in 2023

Figure 66. Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)

Figure 67. Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2019-2024)

Figure 68. Germany Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 69. France Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 70. UK Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Italy Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Russia Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Country in 2023

Figure 74. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Country in 2023

Figure 75. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Technology (2019-2024)

Figure 76. Middle East & Africa Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2019-2024)

Figure 77. Egypt Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 78. South Africa Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 79. Israel Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 80. Turkey Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)



Figure 81. GCC Country Positive Temperature Coefficient (PTC) Thermistors Revenue Growth 2019-2024 (\$ Millions)

Figure 82. Manufacturing Cost Structure Analysis of Positive Temperature Coefficient (PTC) Thermistors in 2023

Figure 83. Manufacturing Process Analysis of Positive Temperature Coefficient (PTC) Thermistors

Figure 84. Industry Chain Structure of Positive Temperature Coefficient (PTC)
Thermistors

Figure 85. Channels of Distribution

Figure 86. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Forecast by Region (2025-2030)

Figure 87. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share Forecast by Region (2025-2030)

Figure 88. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share Forecast by Technology (2025-2030)

Figure 89. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share Forecast by Technology (2025-2030)

Figure 90. Global Positive Temperature Coefficient (PTC) Thermistors Sales Market Share Forecast by Application (2025-2030)

Figure 91. Global Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share Forecast by Application (2025-2030)



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