

North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market by Manufacturers, Regions, Type and Application, Forecast to 2023

https://marketpublishers.com/r/N0469DBACA4EN.html

Date: February 2018 Pages: 103 Price: US\$ 4,480.00 (Single User License) ID: N0469DBACA4EN

Abstracts

PTC stands for Positive Temperature Coefficient. PTC thermistors are resistors with a positive temperature coefficient, which means that the resistance increases with increasing temperature.

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

SCOPE OF THE REPORT:

This report focuses on the Positive Temperature Coefficient (PTC) Thermistors in North America and Europe market, especially in United States, United Kingdom, Canada, Germany, France, Italy and Spain. This report categorizes the market based on manufacturers, countries/Regions, type and application.

Market Segment by Manufacturers, this report covers

ΤE

Polytronics

CYG Wayon

Littelfuse



Bourns

Fuzetec

Sea & Land

Keter

Hollyland

TDK (EPCOS)

VISHAY

Amphenol (GE SENSING)

Jinke

MURATA

Thinking

Uppermost

HIEL

HGTECH

Hansor

Market Segment by Countries, covering

United States

United Kingdom

Canada

North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market by Manufacturers, Regions,...



Germany

France

Italy

Spain

Market Segment by Type, covers

Ceramic PTC (Barium Titanate)

Polymer PTC (Carbon Doped Polymer)

Market Segment by Applications, can be divided into

Audio-visual Equipment

Information Equipment

Communication Equipment

Automobile Electronics

Home Electronics

Power Supply

Other

There are 19 Chapters to deeply display the North America and Europe Positive Temperature Coefficient (PTC) Thermistors market.

Chapter 1, to describe Positive Temperature Coefficient (PTC) Thermistors Introduction, product type and application, market overview, market analysis by countries, market



opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Positive Temperature Coefficient (PTC) Thermistors, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the North America and Europe market by countries, covering United States, United Kingdom, Canada, France, Germany, Italy and Spain, with sales, price, revenue and market share of Positive Temperature Coefficient (PTC) Thermistors, for each country, from 2013 to 2018;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2013 to 2018;

Chapter 7, 8, 9, 10, 11, 12 and 13 to analyze the key countries by manufacturers, Type and Application, covering 7 countries, with sales, revenue and market share by manufacturers, types and applications;

Chapter 14, Positive Temperature Coefficient (PTC) Thermistors market forecast, by countries, type and application, with sales, price, revenue and growth rate forecast, from 2018 to 2023;

Chapter 15, to analyze the manufacturing cost, key raw materials and manufacturing process, etc.

Chapter 16, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 17, to describe sales channel, distributors, traders, dealers, etc.

Chapter 18 and 19, to describe the research findings and conclusion, appendix, methodology and data source.



Contents

1 MARKET OVERVIEW

- 1.1 Positive Temperature Coefficient (PTC) Thermistors Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Ceramic PTC (Barium Titanate)
 - 1.2.2 Polymer PTC (Carbon Doped Polymer)
- 1.3 Market Analysis by Applications
- 1.3.1 Audio-visual Equipment
- 1.3.2 Information Equipment
- 1.3.3 Communication Equipment
- 1.3.4 Automobile Electronics
- 1.3.5 Home Electronics
- 1.3.6 Power Supply
- 1.3.1 Other
- 1.4 Market Analysis by Countries
- 1.4.1 United States Status and Prospect (2013-2023)
- 1.4.2 Canada Status and Prospect (2013-2023)
- 1.4.3 United Kingdom Status and Prospect (2013-2023)
- 1.4.4 Germany Status and Prospect (2013-2023)
- 1.4.5 France Status and Prospect (2013-2023)
- 1.4.6 Italy Status and Prospect (2013-2023)
- 1.4.7 Spain Status and Prospect (2013-2023)
- 1.5 Market Dynamics
 - 1.5.1 Market Opportunities
 - 1.5.2 Market Risk
 - 1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

- 2.1 TE
 - 2.1.1 Business Overview
- 2.1.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications
 - 2.1.2.1 Type
 - 2.1.2.2 Type

2.1.3 TE Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2 Polytronics



2.2.1 Business Overview

2.2.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.2.2.1 Type

2.2.2.2 Type

2.2.3 Polytronics Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3 CYG Wayon

2.3.1 Business Overview

2.3.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.3.2.1 Type

2.3.2.2 Type

2.3.3 CYG Wayon Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4 Littelfuse

2.4.1 Business Overview

2.4.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.4.2.1 Type

2.4.2.2 Type

2.4.3 Littelfuse Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5 Bourns

2.5.1 Business Overview

2.5.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.5.2.1 Type

2.5.2.2 Type

2.5.3 Bourns Positive Temperature Coefficient (PTC) Thermistors Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

2.6 Fuzetec

2.6.1 Business Overview

2.6.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.6.2.1 Type

2.6.2.2 Type

2.6.3 Fuzetec Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7 Sea & Land

2.7.1 Business Overview

2.7.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

- 2.7.2.1 Type
- 2.7.2.2 Type



2.7.3 Sea & Land Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8 Keter

2.8.1 Business Overview

2.8.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.8.2.1 Type

2.8.2.2 Type

2.8.3 Keter Positive Temperature Coefficient (PTC) Thermistors Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

2.9 Hollyland

2.9.1 Business Overview

2.9.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.9.2.1 Type

2.9.2.2 Type

2.9.3 Hollyland Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10 TDK (EPCOS)

2.10.1 Business Overview

2.10.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.10.2.1 Type

2.10.2.2 Type

2.10.3 TDK (EPCOS) Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.11 VISHAY

2.11.1 Business Overview

2.11.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.11.2.1 Type

2.11.2.2 Type

2.11.3 VISHAY Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.12 Amphenol (GE SENSING)

2.12.1 Business Overview

2.12.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.12.2.1 Type

2.12.2.2 Type

2.12.3 Amphenol (GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.13 Jinke

2.13.1 Business Overview



2.13.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.13.2.1 Type

2.13.2.2 Type

2.13.3 Jinke Positive Temperature Coefficient (PTC) Thermistors Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

2.14 MURATA

2.14.1 Business Overview

2.14.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.14.2.1 Type

2.14.2.2 Type

2.14.3 MURATA Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.15 Thinking

2.15.1 Business Overview

2.15.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.15.2.1 Type

2.15.2.2 Type

2.15.3 Thinking Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.16 Uppermost

2.16.1 Business Overview

2.16.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.16.2.1 Type

2.16.2.2 Type

2.16.3 Uppermost Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.17 HIEL

2.17.1 Business Overview

2.17.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.17.2.1 Type

2.17.2.2 Type

2.17.3 HIEL Positive Temperature Coefficient (PTC) Thermistors Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

2.18 HGTECH

2.18.1 Business Overview

2.18.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications

2.18.2.1 Type

2.18.2.2 Type

2.18.3 HGTECH Positive Temperature Coefficient (PTC) Thermistors Sales, Price,



Revenue, Gross Margin and Market Share (2016-2017)

2.19 Hansor

- 2.19.1 Business Overview
- 2.19.2 Positive Temperature Coefficient (PTC) Thermistors Type and Applications
- 2.19.2.1 Type
- 2.19.2.2 Type

2.19.3 Hansor Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

3 NORTH AMERICA AND EUROPE POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET COMPETITION, BY MANUFACTURER

3.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

3.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

3.2.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

3.2.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer (2016-2017)

3.3 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Price by Manufacturers (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share (2016-2017)

3.4.2 Top 5 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share (2016-2017)

3.5 Market Competition Trend

4 NORTH AMERICA AND EUROPE POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET ANALYSIS BY COUNTRIES/REGIONS

4.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Countries/Regions

4.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Countries/Regions (2013-2018)

4.2.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Countries/Regions (2013-2018)

4.2.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors



Sales Market Share by Countries (2013-2018)

4.3 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue (Value) by Countries (2013-2018)

4.3.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

4.3.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Countries (2013-2018)

5 NORTH AMERICA AND EUROPE MARKET SEGMENTATION POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS BY TYPE

5.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Type (2013-2018)

5.1.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

5.1.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Type (2013-2018)

5.2 Ceramic PTC (Barium Titanate) Sales Growth and Price

5.2.1 North America and Europe Ceramic PTC (Barium Titanate) Sales Growth (2013-2018)

5.2.2 North America and Europe Ceramic PTC (Barium Titanate) Price (2013-2018) 5.3 Polymer PTC (Carbon Doped Polymer) Sales Growth and Price

5.3.1 North America and Europe Polymer PTC (Carbon Doped Polymer) Sales Growth (2013-2018)

5.3.2 North America and Europe Polymer PTC (Carbon Doped Polymer) Price (2013-2018)

6 NORTH AMERICA AND EUROPE MARKET SEGMENTATION POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS BY APPLICATION

6.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors

Sales Market Share by Application (2013-2018)

6.2 Audio-visual Equipment Sales Growth (2013-2018)

6.3 Information Equipment Sales Growth (2013-2018)

- 6.4 Communication Equipment Sales Growth (2013-2018)
- 6.5 Automobile Electronics Sales Growth (2013-2018)
- 6.6 Home Electronics Sales Growth (2013-2018)
- 6.7 Power Supply Sales Growth (2013-2018)
- 6.8 Other Sales Growth (2013-2018)



7 UNITED STATES POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

7.1 United States Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

7.2 United States Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

7.2.1 United States Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

7.2.2 United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

7.3 United States Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Application (2013-2018)

7.3.1 United States Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

7.3.2 United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

7.4 United States Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

7.4.1 United States Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

7.4.2 United States Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

7.5 United States Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

8 UNITED KINGDOM POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

8.1 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

8.2 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2016-2017)

8.2.1 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

8.2.2 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales



Market Share by Type (2013-2018)

8.3 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Application (2013-2018)

8.3.1 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

8.3.2 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

8.4 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

8.4.1 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

8.4.2 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

8.5 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

9 CANADA POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

9.1 Canada Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

9.2 Canada Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

9.2.1 Canada Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

9.2.2 Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

9.3 Canada "&Sheet1!\$B\$1&" Sales and Market Share by Application (2013-2018)"

9.3.1 Canada Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

9.3.2 Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

9.4 Canada Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

9.4.1 Canada Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

9.4.2 Canada Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

9.5 Canada Positive Temperature Coefficient (PTC) Thermistors Export and Import



(2013-2018)

10 GERMANY POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

10.1 Germany Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

10.2 Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

10.2.1 Germany Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

10.2.2 Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

10.3 Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Application (2013-2018)

10.3.1 Germany Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

10.3.2 Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

10.4 Germany Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

10.4.1 Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

10.4.2 Germany Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

10.5 Germany Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

11 FRANCE POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

11.1 France Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

11.2 France Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

11.2.1 France Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

11.2.2 France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)



11.3 France "&Sheet1!\$B\$1&" Sales by Application (2013-2018)"

11.3.1 France Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

11.3.2 France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

11.4 France Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

11.4.1 France Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

11.4.2 France Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer

11.5 France Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

12 ITALY POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

12.1 Italy Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

12.2 Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

12.2.1 Italy Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

12.2.2 Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

12.3 Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Application (2013-2018)

12.3.1 Italy Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

12.3.2 Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

12.4 Italy Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

12.4.1 Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

12.4.2 Italy Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

12.5 Italy Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)



13 SPAIN POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS

13.1 Spain Positive Temperature Coefficient (PTC) Thermistors Revenue, Sales and Growth Rate (2013-2018)

13.2 Spain Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Type (2013-2018)

13.2.1 Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

13.2.2 Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

13.3 Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

13.3.1 Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

13.3.2 Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

13.4 Spain Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Market Share by Manufacturer (2016-2017)

13.4.1 Spain Positive Temperature Coefficient (PTC) Thermistors Sales and Market Share by Manufacturer (2016-2017)

13.4.2 Spain Positive Temperature Coefficient (PTC) Thermistors Revenue and Market Share by Manufacturer (2016-2017)

13.5 Spain Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

14 POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MARKET FORECAST (2018-2023)

14.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Growth Rate (2018-2023)

14.2 Positive Temperature Coefficient (PTC) Thermistors Market Forecast by Countries/Regions (2018-2023)

14.2.1 United States Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.2.2 United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.2.3 Canada Positive Temperature Coefficient (PTC) Thermistors Sales and Growth



Rate Forecast (2018-2023)

14.2.4 Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.2.5 France Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.2.6 Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.2.7 Spain Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

14.3 Positive Temperature Coefficient (PTC) Thermistors Market Forecast by Type (2018-2023)

14.3.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Type (2018-2023)

14.3.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market Share Forecast by Type (2018-2023)

14.4 Positive Temperature Coefficient (PTC) Thermistors Market Forecast by Application (2018-2023)

14.4.1 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Application (2018-2023)

14.4.2 North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market Share Forecast by Application (2018-2023)

15 POSITIVE TEMPERATURE COEFFICIENT (PTC) THERMISTORS MANUFACTURING COST ANALYSIS

15.1 Positive Temperature Coefficient (PTC) Thermistors Key Raw Materials Analysis

- 15.1.1 Key Raw Materials
- 15.1.2 Price Trend of Key Raw Materials
- 15.1.3 Key Suppliers of Raw Materials
- 15.1.4 Market Concentration Rate of Raw Materials
- 15.2 Proportion of Manufacturing Cost Structure
 - 15.2.1 Raw Materials
 - 15.2.2 Labor Cost
 - 15.2.3 Manufacturing Expenses
- 15.3 Manufacturing Process Analysis of Positive Temperature Coefficient (PTC) Thermistors

16 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market by Manufacturers, Regions,...



16.1 Positive Temperature Coefficient (PTC) Thermistors Industrial Chain Analysis

16.2 Upstream Raw Materials Sourcing

16.3 Raw Materials Sources of Positive Temperature Coefficient (PTC) Thermistors

Major Manufacturers in 2017

16.4 Downstream Buyers

17 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 17.1 Sales Channel
- 17.1.1 Direct Marketing
- 17.1.2 Indirect Marketing
- 17.1.3 Marketing Channel Future Trend
- 17.2 Distributors, Traders and Dealers

18 RESEARCH FINDINGS AND CONCLUSION

19 APPENDIX

19.1 Methodology

19.2 Data Source



List Of Tables

LIST OF TABLES AND FIGURES

Figure Positive Temperature Coefficient (PTC) Thermistors Picture Table Product Specifications of Positive Temperature Coefficient (PTC) Thermistors Figure North America and Europe Sales Market Share of Positive Temperature Coefficient (PTC) Thermistors by Types in 2017 Table Types of Positive Temperature Coefficient (PTC) Thermistors Figure Ceramic PTC (Barium Titanate) Picture Figure Polymer PTC (Carbon Doped Polymer) Picture Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Applications in 2017 Table Applications of Positive Temperature Coefficient (PTC) Thermistors Figure Audio-visual Equipment Picture **Figure Information Equipment Picture Figure Communication Equipment Picture** Figure Automobile Electronics Picture **Figure Home Electronics Picture Figure Power Supply Picture Figure Other Picture** Figure United States Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure Canada Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure Germany Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure France Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure Italy Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Figure Spain Positive Temperature Coefficient (PTC) Thermistors Revenue (Million USD) and Growth Rate (2013-2023) Table TE Basic Information, Manufacturing Base and Competitors Table TE Positive Temperature Coefficient (PTC) Thermistors Type and Applications Table TE Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)



Table Polytronics Basic Information, Manufacturing Base and Competitors Table Polytronics Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Polytronics Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table CYG Wayon Basic Information, Manufacturing Base and Competitors Table CYG Wayon Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table CYG Wayon Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Littelfuse Basic Information, Manufacturing Base and Competitors

Table Littelfuse Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Littelfuse Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Bourns Basic Information, Manufacturing Base and Competitors Table Bourns Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Bourns Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Fuzetec Basic Information, Manufacturing Base and Competitors

Table Fuzetec Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Fuzetec Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Sea & Land Basic Information, Manufacturing Base and Competitors

Table Sea & Land Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Sea & Land Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Keter Basic Information, Manufacturing Base and Competitors

Table Keter Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Keter Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

 Table Hollyland Basic Information, Manufacturing Base and Competitors

Table Hollyland Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Hollyland Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)



Table TDK (EPCOS) Basic Information, Manufacturing Base and Competitors Table TDK (EPCOS) Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table TDK (EPCOS) Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table VISHAY Basic Information, Manufacturing Base and Competitors

Table VISHAY Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table VISHAY Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Amphenol (GE SENSING) Basic Information, Manufacturing Base and Competitors

Table Amphenol (GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Amphenol (GE SENSING) Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Jinke Basic Information, Manufacturing Base and Competitors

Table Jinke Positive Temperature Coefficient (PTC) Thermistors Type and Applications Table Jinke Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table MURATA Basic Information, Manufacturing Base and Competitors

Table MURATA Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table MURATA Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Thinking Basic Information, Manufacturing Base and Competitors

Table Thinking Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Thinking Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Uppermost Basic Information, Manufacturing Base and Competitors Table Uppermost Positive Temperature Coefficient (PTC) Thermistors Type and Applications

Table Uppermost Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table HIEL Basic Information, Manufacturing Base and Competitors

Table HIEL Positive Temperature Coefficient (PTC) Thermistors Type and Applications Table HIEL Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)



Table HGTECH Basic Information, Manufacturing Base and Competitors Table HGTECH Positive Temperature Coefficient (PTC) Thermistors Type and Applications Table HGTECH Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017) Table Hansor Basic Information, Manufacturing Base and Competitors Table Hansor Positive Temperature Coefficient (PTC) Thermistors Type and Applications Table Hansor Positive Temperature Coefficient (PTC) Thermistors Sales, Price, Revenue, Gross Margin and Market Share (2016-2017) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017) Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017 Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer (2016-2017) Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017 Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Price by Manufacturers (2016-2017) Figure Top 3 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share in 2016 Figure Top 3 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share in 2017 Figure Top 5 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share in 2016 Figure Top 5 Positive Temperature Coefficient (PTC) Thermistors Manufacturer Market Share in 2017 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales and Growth (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Countries/Regions (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors



Sales Market Share by Countries (2013-2018) Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Countries in 2013 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Countries in 2017 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Countries (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Countries (2013-2018) Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Countries in 2013 Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Countries in 2017 Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Share by Type (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue by Type (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Revenue Share by Type (2013-2018) Figure North America and Europe Ceramic PTC (Barium Titanate) Sales Growth (2013 - 2018)Figure North America and Europe Ceramic PTC (Barium Titanate) Price (2013-2018) Figure North America and Europe Polymer PTC (Carbon Doped Polymer) Sales Growth (2013 - 2018)Figure North America and Europe Polymer PTC (Carbon Doped Polymer) Price (2013 - 2018)Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018) Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Share by Application (2013-2018) Figure North America and Europe Audio-visual Equipment Sales Growth (2013-2018) Figure North America and Europe Information Equipment Sales Growth (2013-2018) Figure North America and Europe Communication Equipment Sales Growth (2013 - 2018)Figure North America and Europe Automobile Electronics Sales Growth (2013-2018)



Figure North America and Europe Home Electronics Sales Growth (2013-2018) Figure North America and Europe Power Supply Sales Growth (2013-2018) Figure North America and Europe Other Sales Growth (2013-2018) Figure United States Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018) Figure United States Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018) Table United States Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013 - 2018)Table United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018) Table United States Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018) Table United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018) Table United States Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017) Figure United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016 Figure United States Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017 Table United States Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017) Figure United States Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016 Figure United States Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017 Table United States Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018) Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018) Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018) Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018) Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018) Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales by

Application (2013-2018)



Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017

Table United Kingdom Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018)

Table Canada Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

Table Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

Table Canada Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

Table Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table Canada Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table Canada Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure Canada Positive Temperature Coefficient (PTC) Thermistors Revenue Market



Share by Manufacturer in 2017

Table Canada Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018)

Table Germany Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

Table Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

Table Germany Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

Table Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table Germany Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table Germany Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017

Table Germany Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure France Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

Figure France Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018)

Table France Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

Table France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

Table France Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)



Table France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table France Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure France Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table France Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure France Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure France Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017

Table France Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018)

Table Italy Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

Table Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

Table Italy Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

Table Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table Italy Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table Italy Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share



by Manufacturer in 2017

Table Italy Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Revenue and Growth Rate (2013-2018)

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate (2013-2018)

Table Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Type (2013-2018)

Table Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Type (2013-2018)

Table Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Application (2013-2018)

Table Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Application (2013-2018)

Table Spain Positive Temperature Coefficient (PTC) Thermistors Sales by Manufacturer (2016-2017)

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2016

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Sales Market Share by Manufacturer in 2017

Table Spain Positive Temperature Coefficient (PTC) Thermistors Revenue by Manufacturer (2016-2017)

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2016

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Revenue Market Share by Manufacturer in 2017

Table Spain Positive Temperature Coefficient (PTC) Thermistors Export and Import (2013-2018)

Figure North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales, Revenue and Growth Rate (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) ThermistorsSales Forecast by Countries/Regions (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market Share Forecast by Countries/Regions (2018-2023)

Figure United States Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Figure United Kingdom Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)



Figure Canada Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Figure Germany Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Figure France Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Figure Italy Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Figure Spain Positive Temperature Coefficient (PTC) Thermistors Sales and Growth Rate Forecast (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Type (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market Share Forecast by Type (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Sales Forecast by Application (2018-2023)

Table North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market Share Forecast by Application (2018-2023)

Table Sales Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Positive Temperature Coefficient (PTC)

Thermistors

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

Figure Positive Temperature Coefficient (PTC) Thermistors Industrial Chain Analysis

Table Raw Materials Sources of Positive Temperature Coefficient (PTC) Thermistors Major Manufacturers in 2017

Table Major Buyers of Positive Temperature Coefficient (PTC) Thermistors

Table Distributors/Traders/ Dealers List



I would like to order

 Product name: North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market by Manufacturers, Regions, Type and Application, Forecast to 2023
 Product link: <u>https://marketpublishers.com/r/N0469DBACA4EN.html</u>
 Price: US\$ 4,480.00 (Single User License / Electronic Delivery)
 If you want to order Corporate License or Hard Copy, please, contact our Customer Service: info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/N0469DBACA4EN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



North America and Europe Positive Temperature Coefficient (PTC) Thermistors Market by Manufacturers, Regions,...