

Global Semiconductor Phase Control Thyristors (PCT) Market Growth 2026-2032

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Abstracts

The global Semiconductor Phase Control Thyristors (PCT) market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Discrete Phase Control Thyristors (PCT), also known as Silicon Controlled Rectifiers (SCR), are a type of semiconductor device used to control power in various applications. They are essential components in the power electronics field, especially for controlling large amounts of electrical power and converting AC to DC.

United States market for Semiconductor Phase Control Thyristors (PCT) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Semiconductor Phase Control Thyristors (PCT) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Semiconductor Phase Control Thyristors (PCT) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Semiconductor Phase Control Thyristors (PCT) players cover Littelfuse, Hitachi Energy, Vishay, Infineon, STMicroelectronics, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Semiconductor Phase Control

Thyristors (PCT) Industry Forecast? looks at past sales and reviews total world Semiconductor Phase Control Thyristors (PCT) sales in 2025, providing a comprehensive analysis by region and market sector of projected Semiconductor Phase Control Thyristors (PCT) sales for 2026 through 2032. With Semiconductor Phase Control Thyristors (PCT) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Semiconductor Phase Control Thyristors (PCT) industry.

This Insight Report provides a comprehensive analysis of the global Semiconductor Phase Control Thyristors (PCT) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Semiconductor Phase Control Thyristors (PCT) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Semiconductor Phase Control Thyristors (PCT) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Semiconductor Phase Control Thyristors (PCT) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Semiconductor Phase Control Thyristors (PCT).

This report presents a comprehensive overview, market shares, and growth opportunities of Semiconductor Phase Control Thyristors (PCT) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Unidirectional Thyristor

Bidirectional Thyristor

Segmentation by Application:

Industrial Electrical

Consumer Electronics

Transportation

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle 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 analysing the company's coverage, product portfolio, its market penetration.

Littelfuse

Hitachi Energy

Vishay

Infineon

STMicroelectronics

Mitsubishi Electric

Renesas Electronics

ABB

Fuji Electric

ON Semiconductor

Toshiba

Semikron

Sanken

SanRex

JieJie Microelectronics

SINO-Microelectronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Semiconductor Phase Control Thyristors (PCT) market?

What factors are driving Semiconductor Phase Control Thyristors (PCT) market growth, globally and by region?

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

How do Semiconductor Phase Control Thyristors (PCT) market opportunities vary by end market size?

How does Semiconductor Phase Control Thyristors (PCT) break out by Type, by 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 Semiconductor Phase Control Thyristors (PCT) Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Semiconductor Phase Control Thyristors (PCT) by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Semiconductor Phase Control Thyristors (PCT) by Country/Region, 2021, 2025 & 2032
- 2.2 Semiconductor Phase Control Thyristors (PCT) Segment by Type
 - 2.2.1 Unidirectional Thyristor
 - 2.2.2 Bidirectional Thyristor
 - 2.2.3 Semiconductor Phase Control Thyristors (PCT) Sales by Type
 - 2.2.3.1 Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Semiconductor Phase Control Thyristors (PCT) Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Semiconductor Phase Control Thyristors (PCT) Sale Price by Type (2021-2026)
- 2.3 Semiconductor Phase Control Thyristors (PCT) Segment by Application
 - 2.3.1 Industrial Electrical
 - 2.3.2 Consumer Electronics
 - 2.3.3 Transportation
 - 2.3.4 Others
 - 2.3.5 Semiconductor Phase Control Thyristors (PCT) Sales by Application
 - 2.3.5.1 Global Semiconductor Phase Control Thyristors (PCT) Sale Market Share by Application (2021-2026)

2.3.5.2 Global Semiconductor Phase Control Thyristors (PCT) Revenue and Market Share by Application (2021-2026)

2.3.5.3 Global Semiconductor Phase Control Thyristors (PCT) Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Semiconductor Phase Control Thyristors (PCT) Breakdown Data by Company

3.1.1 Global Semiconductor Phase Control Thyristors (PCT) Annual Sales by Company (2021-2026)

3.1.2 Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Company (2021-2026)

3.2 Global Semiconductor Phase Control Thyristors (PCT) Annual Revenue by Company (2021-2026)

3.2.1 Global Semiconductor Phase Control Thyristors (PCT) Revenue by Company (2021-2026)

3.2.2 Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Company (2021-2026)

3.3 Global Semiconductor Phase Control Thyristors (PCT) Sale Price by Company

3.4 Key Manufacturers Semiconductor Phase Control Thyristors (PCT) Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Semiconductor Phase Control Thyristors (PCT) Product Location Distribution

3.4.2 Players Semiconductor Phase Control Thyristors (PCT) Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR SEMICONDUCTOR PHASE CONTROL THYRISTORS (PCT) BY GEOGRAPHIC REGION

4.1 World Historic Semiconductor Phase Control Thyristors (PCT) Market Size by Geographic Region (2021-2026)

4.1.1 Global Semiconductor Phase Control Thyristors (PCT) Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Semiconductor Phase Control Thyristors (PCT) Annual Revenue by

Geographic Region (2021-2026)

4.2 World Historic Semiconductor Phase Control Thyristors (PCT) Market Size by Country/Region (2021-2026)

4.2.1 Global Semiconductor Phase Control Thyristors (PCT) Annual Sales by Country/Region (2021-2026)

4.2.2 Global Semiconductor Phase Control Thyristors (PCT) Annual Revenue by Country/Region (2021-2026)

4.3 Americas Semiconductor Phase Control Thyristors (PCT) Sales Growth

4.4 APAC Semiconductor Phase Control Thyristors (PCT) Sales Growth

4.5 Europe Semiconductor Phase Control Thyristors (PCT) Sales Growth

4.6 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales Growth

5 AMERICAS

5.1 Americas Semiconductor Phase Control Thyristors (PCT) Sales by Country

5.1.1 Americas Semiconductor Phase Control Thyristors (PCT) Sales by Country (2021-2026)

5.1.2 Americas Semiconductor Phase Control Thyristors (PCT) Revenue by Country (2021-2026)

5.2 Americas Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026)

5.3 Americas Semiconductor Phase Control Thyristors (PCT) Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Semiconductor Phase Control Thyristors (PCT) Sales by Region

6.1.1 APAC Semiconductor Phase Control Thyristors (PCT) Sales by Region (2021-2026)

6.1.2 APAC Semiconductor Phase Control Thyristors (PCT) Revenue by Region (2021-2026)

6.2 APAC Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026)

6.3 APAC Semiconductor Phase Control Thyristors (PCT) Sales by Application (2021-2026)

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 Semiconductor Phase Control Thyristors (PCT) by Country
 - 7.1.1 Europe Semiconductor Phase Control Thyristors (PCT) Sales by Country (2021-2026)
 - 7.1.2 Europe Semiconductor Phase Control Thyristors (PCT) Revenue by Country (2021-2026)
- 7.2 Europe Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026)
- 7.3 Europe Semiconductor Phase Control Thyristors (PCT) Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) by Country
 - 8.1.1 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026)
- 8.3 Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by Application (2021-2026)
- 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 Semiconductor Phase Control Thyristors (PCT)

10.3 Manufacturing Process Analysis of Semiconductor Phase Control Thyristors (PCT)

10.4 Industry Chain Structure of Semiconductor Phase Control Thyristors (PCT)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Semiconductor Phase Control Thyristors (PCT) Distributors

11.3 Semiconductor Phase Control Thyristors (PCT) Customer

12 WORLD FORECAST REVIEW FOR SEMICONDUCTOR PHASE CONTROL THYRISTORS (PCT) BY GEOGRAPHIC REGION

12.1 Global Semiconductor Phase Control Thyristors (PCT) Market Size Forecast by Region

12.1.1 Global Semiconductor Phase Control Thyristors (PCT) Forecast by Region (2027-2032)

12.1.2 Global Semiconductor Phase Control Thyristors (PCT) Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Semiconductor Phase Control Thyristors (PCT) Forecast by Type (2027-2032)

12.7 Global Semiconductor Phase Control Thyristors (PCT) Forecast by Application

(2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Littelfuse

13.1.1 Littelfuse Company Information

13.1.2 Littelfuse Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.1.3 Littelfuse Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Littelfuse Main Business Overview

13.1.5 Littelfuse Latest Developments

13.2 Hitachi Energy

13.2.1 Hitachi Energy Company Information

13.2.2 Hitachi Energy Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.2.3 Hitachi Energy Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Hitachi Energy Main Business Overview

13.2.5 Hitachi Energy Latest Developments

13.3 Vishay

13.3.1 Vishay Company Information

13.3.2 Vishay Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.3.3 Vishay Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Vishay Main Business Overview

13.3.5 Vishay Latest Developments

13.4 Infineon

13.4.1 Infineon Company Information

13.4.2 Infineon Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.4.3 Infineon Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Infineon Main Business Overview

13.4.5 Infineon Latest Developments

13.5 STMicroelectronics

13.5.1 STMicroelectronics Company Information

13.5.2 STMicroelectronics Semiconductor Phase Control Thyristors (PCT) Product

Portfolios and Specifications

13.5.3 STMicroelectronics Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 STMicroelectronics Main Business Overview

13.5.5 STMicroelectronics Latest Developments

13.6 Mitsubishi Electric

13.6.1 Mitsubishi Electric Company Information

13.6.2 Mitsubishi Electric Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.6.3 Mitsubishi Electric Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Mitsubishi Electric Main Business Overview

13.6.5 Mitsubishi Electric Latest Developments

13.7 Renesas Electronics

13.7.1 Renesas Electronics Company Information

13.7.2 Renesas Electronics Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.7.3 Renesas Electronics Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Renesas Electronics Main Business Overview

13.7.5 Renesas Electronics Latest Developments

13.8 ABB

13.8.1 ABB Company Information

13.8.2 ABB Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.8.3 ABB Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 ABB Main Business Overview

13.8.5 ABB Latest Developments

13.9 Fuji Electric

13.9.1 Fuji Electric Company Information

13.9.2 Fuji Electric Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.9.3 Fuji Electric Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Fuji Electric Main Business Overview

13.9.5 Fuji Electric Latest Developments

13.10 ON Semiconductor

13.10.1 ON Semiconductor Company Information

13.10.2 ON Semiconductor Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.10.3 ON Semiconductor Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 ON Semiconductor Main Business Overview

13.10.5 ON Semiconductor Latest Developments

13.11 Toshiba

13.11.1 Toshiba Company Information

13.11.2 Toshiba Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.11.3 Toshiba Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Toshiba Main Business Overview

13.11.5 Toshiba Latest Developments

13.12 Semikron

13.12.1 Semikron Company Information

13.12.2 Semikron Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.12.3 Semikron Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Semikron Main Business Overview

13.12.5 Semikron Latest Developments

13.13 Sanken

13.13.1 Sanken Company Information

13.13.2 Sanken Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.13.3 Sanken Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Sanken Main Business Overview

13.13.5 Sanken Latest Developments

13.14 SanRex

13.14.1 SanRex Company Information

13.14.2 SanRex Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

13.14.3 SanRex Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 SanRex Main Business Overview

13.14.5 SanRex Latest Developments

13.15 JieJie Microelectronics

13.15.1 JieJie Microelectronics Company Information

13.15.2 JieJie Microelectronics Semiconductor Phase Control Thyristors (PCT)

Product Portfolios and Specifications

13.15.3 JieJie Microelectronics Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 JieJie Microelectronics Main Business Overview

13.15.5 JieJie Microelectronics Latest Developments

13.16 SINO-Microelectronics

13.16.1 SINO-Microelectronics Company Information

13.16.2 SINO-Microelectronics Semiconductor Phase Control Thyristors (PCT)

Product Portfolios and Specifications

13.16.3 SINO-Microelectronics Semiconductor Phase Control Thyristors (PCT) Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 SINO-Microelectronics Main Business Overview

13.16.5 SINO-Microelectronics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Semiconductor Phase Control Thyristors (PCT) Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Semiconductor Phase Control Thyristors (PCT) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Unidirectional Thyristor

Table 4. Major Players of Bidirectional Thyristor

Table 5. Global Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026) & (K Units)

Table 6. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)

Table 7. Global Semiconductor Phase Control Thyristors (PCT) Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Type (2021-2026)

Table 9. Global Semiconductor Phase Control Thyristors (PCT) Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Global Semiconductor Phase Control Thyristors (PCT) Sale by Application (2021-2026) & (K Units)

Table 11. Global Semiconductor Phase Control Thyristors (PCT) Sale Market Share by Application (2021-2026)

Table 12. Global Semiconductor Phase Control Thyristors (PCT) Revenue by Application (2021-2026) & (\$ million)

Table 13. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Application (2021-2026)

Table 14. Global Semiconductor Phase Control Thyristors (PCT) Sale Price by Application (2021-2026) & (US\$/Unit)

Table 15. Global Semiconductor Phase Control Thyristors (PCT) Sales by Company (2021-2026) & (K Units)

Table 16. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Company (2021-2026)

Table 17. Global Semiconductor Phase Control Thyristors (PCT) Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Company (2021-2026)

Table 19. Global Semiconductor Phase Control Thyristors (PCT) Sale Price by

Company (2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers Semiconductor Phase Control Thyristors (PCT) Producing Area Distribution and Sales Area

Table 21. Players Semiconductor Phase Control Thyristors (PCT) Products Offered

Table 22. Semiconductor Phase Control Thyristors (PCT) Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Semiconductor Phase Control Thyristors (PCT) Sales by Geographic Region (2021-2026) & (K Units)

Table 26. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share Geographic Region (2021-2026)

Table 27. Global Semiconductor Phase Control Thyristors (PCT) Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global Semiconductor Phase Control Thyristors (PCT) Sales by Country/Region (2021-2026) & (K Units)

Table 30. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country/Region (2021-2026)

Table 31. Global Semiconductor Phase Control Thyristors (PCT) Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas Semiconductor Phase Control Thyristors (PCT) Sales by Country (2021-2026) & (K Units)

Table 34. Americas Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country (2021-2026)

Table 35. Americas Semiconductor Phase Control Thyristors (PCT) Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas Semiconductor Phase Control Thyristors (PCT) Sales by Type (2021-2026) & (K Units)

Table 37. Americas Semiconductor Phase Control Thyristors (PCT) Sales by Application (2021-2026) & (K Units)

Table 38. APAC Semiconductor Phase Control Thyristors (PCT) Sales by Region (2021-2026) & (K Units)

Table 39. APAC Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Region (2021-2026)

Table 40. APAC Semiconductor Phase Control Thyristors (PCT) Revenue by Region

(2021-2026) & (\$ millions)

Table 41. APAC Semiconductor Phase Control Thyristors (PCT) Sales by Type
(2021-2026) & (K Units)

Table 42. APAC Semiconductor Phase Control Thyristors (PCT) Sales by Application
(2021-2026) & (K Units)

Table 43. Europe Semiconductor Phase Control Thyristors (PCT) Sales by Country
(2021-2026) & (K Units)

Table 44. Europe Semiconductor Phase Control Thyristors (PCT) Revenue by Country
(2021-2026) & (\$ millions)

Table 45. Europe Semiconductor Phase Control Thyristors (PCT) Sales by Type
(2021-2026) & (K Units)

Table 46. Europe Semiconductor Phase Control Thyristors (PCT) Sales by Application
(2021-2026) & (K Units)

Table 47. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by
Country (2021-2026) & (K Units)

Table 48. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Revenue
Market Share by Country (2021-2026)

Table 49. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by
Type (2021-2026) & (K Units)

Table 50. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales by
Application (2021-2026) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Semiconductor Phase Control
Thyristors (PCT)

Table 52. Key Market Challenges & Risks of Semiconductor Phase Control Thyristors
(PCT)

Table 53. Key Industry Trends of Semiconductor Phase Control Thyristors (PCT)

Table 54. Semiconductor Phase Control Thyristors (PCT) Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Semiconductor Phase Control Thyristors (PCT) Distributors List

Table 57. Semiconductor Phase Control Thyristors (PCT) Customer List

Table 58. Global Semiconductor Phase Control Thyristors (PCT) Sales Forecast by
Region (2027-2032) & (K Units)

Table 59. Global Semiconductor Phase Control Thyristors (PCT) Revenue Forecast by
Region (2027-2032) & (\$ millions)

Table 60. Americas Semiconductor Phase Control Thyristors (PCT) Sales Forecast by
Country (2027-2032) & (K Units)

Table 61. Americas Semiconductor Phase Control Thyristors (PCT) Annual Revenue
Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC Semiconductor Phase Control Thyristors (PCT) Sales Forecast by

Region (2027-2032) & (K Units)

Table 63. APAC Semiconductor Phase Control Thyristors (PCT) Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 64. Europe Semiconductor Phase Control Thyristors (PCT) Sales Forecast by Country (2027-2032) & (K Units)

Table 65. Europe Semiconductor Phase Control Thyristors (PCT) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Semiconductor Phase Control Thyristors (PCT) Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global Semiconductor Phase Control Thyristors (PCT) Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Semiconductor Phase Control Thyristors (PCT) Sales Forecast by Application (2027-2032) & (K Units)

Table 71. Global Semiconductor Phase Control Thyristors (PCT) Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Littelfuse Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 73. Littelfuse Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 74. Littelfuse Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Littelfuse Main Business

Table 76. Littelfuse Latest Developments

Table 77. Hitachi Energy Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 78. Hitachi Energy Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 79. Hitachi Energy Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. Hitachi Energy Main Business

Table 81. Hitachi Energy Latest Developments

Table 82. Vishay Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 83. Vishay Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 84. Vishay Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. Vishay Main Business

Table 86. Vishay Latest Developments

Table 87. Infineon Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 88. Infineon Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 89. Infineon Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Infineon Main Business

Table 91. Infineon Latest Developments

Table 92. STMicroelectronics Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 93. STMicroelectronics Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 94. STMicroelectronics Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. STMicroelectronics Main Business

Table 96. STMicroelectronics Latest Developments

Table 97. Mitsubishi Electric Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 98. Mitsubishi Electric Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 99. Mitsubishi Electric Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Mitsubishi Electric Main Business

Table 101. Mitsubishi Electric Latest Developments

Table 102. Renesas Electronics Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 103. Renesas Electronics Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 104. Renesas Electronics Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Renesas Electronics Main Business

Table 106. Renesas Electronics Latest Developments

Table 107. ABB Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 108. ABB Semiconductor Phase Control Thyristors (PCT) Product Portfolios and

Specifications

Table 109. ABB Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. ABB Main Business

Table 111. ABB Latest Developments

Table 112. Fuji Electric Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 113. Fuji Electric Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 114. Fuji Electric Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Fuji Electric Main Business

Table 116. Fuji Electric Latest Developments

Table 117. ON Semiconductor Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 118. ON Semiconductor Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 119. ON Semiconductor Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. ON Semiconductor Main Business

Table 121. ON Semiconductor Latest Developments

Table 122. Toshiba Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 123. Toshiba Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 124. Toshiba Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. Toshiba Main Business

Table 126. Toshiba Latest Developments

Table 127. Semikron Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 128. Semikron Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 129. Semikron Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. Semikron Main Business

Table 131. Semikron Latest Developments

Table 132. Sanken Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 133. Sanken Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 134. Sanken Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Sanken Main Business

Table 136. Sanken Latest Developments

Table 137. SanRex Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 138. SanRex Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 139. SanRex Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. SanRex Main Business

Table 141. SanRex Latest Developments

Table 142. JieJie Microelectronics Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 143. JieJie Microelectronics Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 144. JieJie Microelectronics Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. JieJie Microelectronics Main Business

Table 146. JieJie Microelectronics Latest Developments

Table 147. SINO-Microelectronics Basic Information, Semiconductor Phase Control Thyristors (PCT) Manufacturing Base, Sales Area and Its Competitors

Table 148. SINO-Microelectronics Semiconductor Phase Control Thyristors (PCT) Product Portfolios and Specifications

Table 149. SINO-Microelectronics Semiconductor Phase Control Thyristors (PCT) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. SINO-Microelectronics Main Business

Table 151. SINO-Microelectronics Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Semiconductor Phase Control Thyristors (PCT)

Figure 2. Semiconductor Phase Control Thyristors (PCT) Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Semiconductor Phase Control Thyristors (PCT) Sales Growth Rate 2021-2032 (K Units)

Figure 7. Global Semiconductor Phase Control Thyristors (PCT) Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Semiconductor Phase Control Thyristors (PCT) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country/Region (2025)

Figure 10. Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Unidirectional Thyristor

Figure 12. Product Picture of Bidirectional Thyristor

Figure 13. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type in 2026

Figure 14. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Type (2021-2026)

Figure 15. Semiconductor Phase Control Thyristors (PCT) Consumed in Industrial Electrical

Figure 16. Global Semiconductor Phase Control Thyristors (PCT) Market: Industrial Electrical (2021-2026) & (K Units)

Figure 17. Semiconductor Phase Control Thyristors (PCT) Consumed in Consumer Electronics

Figure 18. Global Semiconductor Phase Control Thyristors (PCT) Market: Consumer Electronics (2021-2026) & (K Units)

Figure 19. Semiconductor Phase Control Thyristors (PCT) Consumed in Transportation

Figure 20. Global Semiconductor Phase Control Thyristors (PCT) Market: Transportation (2021-2026) & (K Units)

Figure 21. Semiconductor Phase Control Thyristors (PCT) Consumed in Others

Figure 22. Global Semiconductor Phase Control Thyristors (PCT) Market: Others (2021-2026) & (K Units)

Figure 23. Global Semiconductor Phase Control Thyristors (PCT) Sale Market Share by Application (2025)

Figure 24. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Application in 2026

Figure 25. Semiconductor Phase Control Thyristors (PCT) Sales by Company in 2026 (K Units)

Figure 26. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Company in 2026

Figure 27. Semiconductor Phase Control Thyristors (PCT) Revenue by Company in 2026 (\$ millions)

Figure 28. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Company in 2026

Figure 29. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Geographic Region (2021-2026)

Figure 30. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Geographic Region in 2026

Figure 31. Americas Semiconductor Phase Control Thyristors (PCT) Sales 2021-2026 (K Units)

Figure 32. Americas Semiconductor Phase Control Thyristors (PCT) Revenue 2021-2026 (\$ millions)

Figure 33. APAC Semiconductor Phase Control Thyristors (PCT) Sales 2021-2026 (K Units)

Figure 34. APAC Semiconductor Phase Control Thyristors (PCT) Revenue 2021-2026 (\$ millions)

Figure 35. Europe Semiconductor Phase Control Thyristors (PCT) Sales 2021-2026 (K Units)

Figure 36. Europe Semiconductor Phase Control Thyristors (PCT) Revenue 2021-2026 (\$ millions)

Figure 37. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales 2021-2026 (K Units)

Figure 38. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Revenue 2021-2026 (\$ millions)

Figure 39. Americas Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country in 2026

Figure 40. Americas Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Country (2021-2026)

Figure 41. Americas Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)

Figure 42. Americas Semiconductor Phase Control Thyristors (PCT) Sales Market

Share by Application (2021-2026)

Figure 43. United States Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 44. Canada Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 45. Mexico Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 46. Brazil Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 47. APAC Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Region in 2026

Figure 48. APAC Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Region (2021-2026)

Figure 49. APAC Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)

Figure 50. APAC Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Application (2021-2026)

Figure 51. China Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 52. Japan Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 53. South Korea Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 54. Southeast Asia Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 55. India Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 56. Australia Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 57. China Taiwan Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 58. Europe Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country in 2026

Figure 59. Europe Semiconductor Phase Control Thyristors (PCT) Revenue Market Share by Country (2021-2026)

Figure 60. Europe Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)

Figure 61. Europe Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Application (2021-2026)

Figure 62. Germany Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 63. France Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 64. UK Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 65. Italy Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 66. Russia Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 67. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Country (2021-2026)

Figure 68. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Type (2021-2026)

Figure 69. Middle East & Africa Semiconductor Phase Control Thyristors (PCT) Sales Market Share by Application (2021-2026)

Figure 70. Egypt Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 71. South Africa Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 72. Israel Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 73. Turkey Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 74. GCC Countries Semiconductor Phase Control Thyristors (PCT) Revenue Growth 2021-2026 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Semiconductor Phase Control Thyristors (PCT) in 2026

Figure 76. Manufacturing Process Analysis of Semiconductor Phase Control Thyristors (PCT)

Figure 77. Industry Chain Structure of Semiconductor Phase Control Thyristors (PCT)

Figure 78. Channels of Distribution

Figure 79. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Forecast by Region (2027-2032)

Figure 80. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share Forecast by Region (2027-2032)

Figure 81. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share Forecast by Type (2027-2032)

Figure 82. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market

Share Forecast by Type (2027-2032)

Figure 83. Global Semiconductor Phase Control Thyristors (PCT) Sales Market Share Forecast by Application (2027-2032)

Figure 84. Global Semiconductor Phase Control Thyristors (PCT) Revenue Market Share Forecast by Application (2027-2032)

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