

Global SiC PiN Diodes Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GE764FDE260AEN.html>

Date: July 2024

Pages: 81

Price: US\$ 4,480.00 (Single User License)

ID: GE764FDE260AEN

Abstracts

The global SiC PiN Diodes market size is expected to reach \$ 12 million by 2029, rising at a market growth of 17.8% CAGR during the forecast period (2023-2029).

The SiC PiN Diodes have ultra-fast high-temperature switching, increasing reliability. Additionally, the PiN Diodes feature a repetitive peak reverse voltage range of 8kV to 15kV and a 1A to 2A continuous forward current. The SiC PiN Diodes are ideal for lighting, defense, and trigger circuit applications.

This report studies the global SiC PiN Diodes production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SiC PiN Diodes, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of SiC PiN Diodes that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global SiC PiN Diodes total production and demand, 2018-2029, (K Pieces)

Global SiC PiN Diodes total production value, 2018-2029, (USD Million)

Global SiC PiN Diodes production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Pieces)

Global SiC PiN Diodes consumption by region & country, CAGR, 2018-2029 & (K Pieces)

U.S. VS China: SiC PiN Diodes domestic production, consumption, key domestic manufacturers and share

Global SiC PiN Diodes production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Pieces)

Global SiC PiN Diodes production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Pieces)

Global SiC PiN Diodes production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Pieces).

This reports profiles key players in the global SiC PiN Diodes market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GeneSiC Semiconductor and Shenzhen BASiC Semiconductor Ltd etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence. Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World SiC PiN Diodes market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pieces) and average price (US\$/Piece) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global SiC PiN Diodes Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global SiC PiN Diodes Market, Segmentation by Type

15 kV

8 kV

Global SiC PiN Diodes Market, Segmentation by Application

Consumer

Industrial

Aerospace & Defense

Companies Profiled:

GeneSiC Semiconductor

Shenzhen BASiC Semiconductor Ltd

Key Questions Answered

1. How big is the global SiC PiN Diodes market?
2. What is the demand of the global SiC PiN Diodes market?
3. What is the year over year growth of the global SiC PiN Diodes market?
4. What is the production and production value of the global SiC PiN Diodes market?
5. Who are the key producers in the global SiC PiN Diodes market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 SiC PiN Diodes Introduction
- 1.2 World SiC PiN Diodes Supply & Forecast
 - 1.2.1 World SiC PiN Diodes Production Value (2018 & 2022 & 2029)
 - 1.2.2 World SiC PiN Diodes Production (2018-2029)
 - 1.2.3 World SiC PiN Diodes Pricing Trends (2018-2029)
- 1.3 World SiC PiN Diodes Production by Region (Based on Production Site)
 - 1.3.1 World SiC PiN Diodes Production Value by Region (2018-2029)
 - 1.3.2 World SiC PiN Diodes Production by Region (2018-2029)
 - 1.3.3 World SiC PiN Diodes Average Price by Region (2018-2029)
 - 1.3.4 North America SiC PiN Diodes Production (2018-2029)
 - 1.3.5 Europe SiC PiN Diodes Production (2018-2029)
 - 1.3.6 China SiC PiN Diodes Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 SiC PiN Diodes Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 SiC PiN Diodes Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World SiC PiN Diodes Demand (2018-2029)
- 2.2 World SiC PiN Diodes Consumption by Region
 - 2.2.1 World SiC PiN Diodes Consumption by Region (2018-2023)
 - 2.2.2 World SiC PiN Diodes Consumption Forecast by Region (2024-2029)
- 2.3 United States SiC PiN Diodes Consumption (2018-2029)
- 2.4 China SiC PiN Diodes Consumption (2018-2029)
- 2.5 Europe SiC PiN Diodes Consumption (2018-2029)
- 2.6 Japan SiC PiN Diodes Consumption (2018-2029)
- 2.7 South Korea SiC PiN Diodes Consumption (2018-2029)
- 2.8 ASEAN SiC PiN Diodes Consumption (2018-2029)
- 2.9 India SiC PiN Diodes Consumption (2018-2029)

3 WORLD SIC PIN DIODES MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World SiC PiN Diodes Production Value by Manufacturer (2018-2023)
- 3.2 World SiC PiN Diodes Production by Manufacturer (2018-2023)
- 3.3 World SiC PiN Diodes Average Price by Manufacturer (2018-2023)
- 3.4 SiC PiN Diodes Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global SiC PiN Diodes Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for SiC PiN Diodes in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for SiC PiN Diodes in 2022
- 3.6 SiC PiN Diodes Market: Overall Company Footprint Analysis
 - 3.6.1 SiC PiN Diodes Market: Region Footprint
 - 3.6.2 SiC PiN Diodes Market: Company Product Type Footprint
 - 3.6.3 SiC PiN Diodes Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: SiC PiN Diodes Production Value Comparison
 - 4.1.1 United States VS China: SiC PiN Diodes Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: SiC PiN Diodes Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: SiC PiN Diodes Production Comparison
 - 4.2.1 United States VS China: SiC PiN Diodes Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: SiC PiN Diodes Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: SiC PiN Diodes Consumption Comparison
 - 4.3.1 United States VS China: SiC PiN Diodes Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: SiC PiN Diodes Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based SiC PiN Diodes Manufacturers and Market Share, 2018-2023
 - 4.4.1 United States Based SiC PiN Diodes Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers SiC PiN Diodes Production Value (2018-2023)

4.4.3 United States Based Manufacturers SiC PiN Diodes Production (2018-2023)

4.5 China Based SiC PiN Diodes Manufacturers and Market Share

4.5.1 China Based SiC PiN Diodes Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers SiC PiN Diodes Production Value (2018-2023)

4.5.3 China Based Manufacturers SiC PiN Diodes Production (2018-2023)

4.6 Rest of World Based SiC PiN Diodes Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based SiC PiN Diodes Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers SiC PiN Diodes Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers SiC PiN Diodes Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World SiC PiN Diodes Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 15 kV

5.2.2 8 kV

5.3 Market Segment by Type

5.3.1 World SiC PiN Diodes Production by Type (2018-2029)

5.3.2 World SiC PiN Diodes Production Value by Type (2018-2029)

5.3.3 World SiC PiN Diodes Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World SiC PiN Diodes Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Consumer

6.2.2 Industrial

6.2.3 Aerospace & Defense

6.3 Market Segment by Application

6.3.1 World SiC PiN Diodes Production by Application (2018-2029)

6.3.2 World SiC PiN Diodes Production Value by Application (2018-2029)

6.3.3 World SiC PiN Diodes Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 GeneSiC Semiconductor

7.1.1 GeneSiC Semiconductor Details

7.1.2 GeneSiC Semiconductor Major Business

7.1.3 GeneSiC Semiconductor SiC PiN Diodes Product and Services

7.1.4 GeneSiC Semiconductor SiC PiN Diodes Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 GeneSiC Semiconductor Recent Developments/Updates

7.1.6 GeneSiC Semiconductor Competitive Strengths & Weaknesses

7.2 Shenzhen BASiC Semiconductor Ltd

7.2.1 Shenzhen BASiC Semiconductor Ltd Details

7.2.2 Shenzhen BASiC Semiconductor Ltd Major Business

7.2.3 Shenzhen BASiC Semiconductor Ltd SiC PiN Diodes Product and Services

7.2.4 Shenzhen BASiC Semiconductor Ltd SiC PiN Diodes Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Shenzhen BASiC Semiconductor Ltd Recent Developments/Updates

7.2.6 Shenzhen BASiC Semiconductor Ltd Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 SiC PiN Diodes Industry Chain

8.2 SiC PiN Diodes Upstream Analysis

8.2.1 SiC PiN Diodes Core Raw Materials

8.2.2 Main Manufacturers of SiC PiN Diodes Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 SiC PiN Diodes Production Mode

8.6 SiC PiN Diodes Procurement Model

8.7 SiC PiN Diodes Industry Sales Model and Sales Channels

8.7.1 SiC PiN Diodes Sales Model

8.7.2 SiC PiN Diodes Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World SiC PiN Diodes Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World SiC PiN Diodes Production Value by Region (2018-2023) & (USD Million)

Table 3. World SiC PiN Diodes Production Value by Region (2024-2029) & (USD Million)

Table 4. World SiC PiN Diodes Production Value Market Share by Region (2018-2023)

Table 5. World SiC PiN Diodes Production Value Market Share by Region (2024-2029)

Table 6. World SiC PiN Diodes Production by Region (2018-2023) & (K Pieces)

Table 7. World SiC PiN Diodes Production by Region (2024-2029) & (K Pieces)

Table 8. World SiC PiN Diodes Production Market Share by Region (2018-2023)

Table 9. World SiC PiN Diodes Production Market Share by Region (2024-2029)

Table 10. World SiC PiN Diodes Average Price by Region (2018-2023) & (US\$/Piece)

Table 11. World SiC PiN Diodes Average Price by Region (2024-2029) & (US\$/Piece)

Table 12. SiC PiN Diodes Major Market Trends

Table 13. World SiC PiN Diodes Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Pieces)

Table 14. World SiC PiN Diodes Consumption by Region (2018-2023) & (K Pieces)

Table 15. World SiC PiN Diodes Consumption Forecast by Region (2024-2029) & (K Pieces)

Table 16. World SiC PiN Diodes Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key SiC PiN Diodes Producers in 2022

Table 18. World SiC PiN Diodes Production by Manufacturer (2018-2023) & (K Pieces)

Table 19. Production Market Share of Key SiC PiN Diodes Producers in 2022

Table 20. World SiC PiN Diodes Average Price by Manufacturer (2018-2023) & (US\$/Piece)

Table 21. Global SiC PiN Diodes Company Evaluation Quadrant

Table 22. World SiC PiN Diodes Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and SiC PiN Diodes Production Site of Key Manufacturer

Table 24. SiC PiN Diodes Market: Company Product Type Footprint

Table 25. SiC PiN Diodes Market: Company Product Application Footprint

Table 26. SiC PiN Diodes Competitive Factors

Table 27. SiC PiN Diodes New Entrant and Capacity Expansion Plans

Table 28. SiC PiN Diodes Mergers & Acquisitions Activity

Table 29. United States VS China SiC PiN Diodes Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China SiC PiN Diodes Production Comparison, (2018 & 2022 & 2029) & (K Pieces)

Table 31. United States VS China SiC PiN Diodes Consumption Comparison, (2018 & 2022 & 2029) & (K Pieces)

Table 32. United States Based SiC PiN Diodes Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers SiC PiN Diodes Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers SiC PiN Diodes Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers SiC PiN Diodes Production (2018-2023) & (K Pieces)

Table 36. United States Based Manufacturers SiC PiN Diodes Production Market Share (2018-2023)

Table 37. China Based SiC PiN Diodes Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers SiC PiN Diodes Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers SiC PiN Diodes Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers SiC PiN Diodes Production (2018-2023) & (K Pieces)

Table 41. China Based Manufacturers SiC PiN Diodes Production Market Share (2018-2023)

Table 42. Rest of World Based SiC PiN Diodes Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers SiC PiN Diodes Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers SiC PiN Diodes Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers SiC PiN Diodes Production (2018-2023) & (K Pieces)

Table 46. Rest of World Based Manufacturers SiC PiN Diodes Production Market Share (2018-2023)

Table 47. World SiC PiN Diodes Production Value by Type, (USD Million), 2018 & 2022 & 2029

- Table 48. World SiC PiN Diodes Production by Type (2018-2023) & (K Pieces)
- Table 49. World SiC PiN Diodes Production by Type (2024-2029) & (K Pieces)
- Table 50. World SiC PiN Diodes Production Value by Type (2018-2023) & (USD Million)
- Table 51. World SiC PiN Diodes Production Value by Type (2024-2029) & (USD Million)
- Table 52. World SiC PiN Diodes Average Price by Type (2018-2023) & (US\$/Piece)
- Table 53. World SiC PiN Diodes Average Price by Type (2024-2029) & (US\$/Piece)
- Table 54. World SiC PiN Diodes Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 55. World SiC PiN Diodes Production by Application (2018-2023) & (K Pieces)
- Table 56. World SiC PiN Diodes Production by Application (2024-2029) & (K Pieces)
- Table 57. World SiC PiN Diodes Production Value by Application (2018-2023) & (USD Million)
- Table 58. World SiC PiN Diodes Production Value by Application (2024-2029) & (USD Million)
- Table 59. World SiC PiN Diodes Average Price by Application (2018-2023) & (US\$/Piece)
- Table 60. World SiC PiN Diodes Average Price by Application (2024-2029) & (US\$/Piece)
- Table 61. GeneSiC Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 62. GeneSiC Semiconductor Major Business
- Table 63. GeneSiC Semiconductor SiC PiN Diodes Product and Services
- Table 64. GeneSiC Semiconductor SiC PiN Diodes Production (K Pieces), Price (US\$/Piece), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 65. GeneSiC Semiconductor Recent Developments/Updates
- Table 66. Shenzhen BASiC Semiconductor Ltd Basic Information, Manufacturing Base and Competitors
- Table 67. Shenzhen BASiC Semiconductor Ltd Major Business
- Table 68. Shenzhen BASiC Semiconductor Ltd SiC PiN Diodes Product and Services
- Table 69. Shenzhen BASiC Semiconductor Ltd SiC PiN Diodes Production (K Pieces), Price (US\$/Piece), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 70. Global Key Players of SiC PiN Diodes Upstream (Raw Materials)
- Table 71. SiC PiN Diodes Typical Customers
- Table 72. SiC PiN Diodes Typical Distributors
- List of Figure
- Figure 1. SiC PiN Diodes Picture
- Figure 2. World SiC PiN Diodes Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World SiC PiN Diodes Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World SiC PiN Diodes Production (2018-2029) & (K Pieces)

Figure 5. World SiC PiN Diodes Average Price (2018-2029) & (US\$/Piece)

Figure 6. World SiC PiN Diodes Production Value Market Share by Region (2018-2029)

Figure 7. World SiC PiN Diodes Production Market Share by Region (2018-2029)

Figure 8. North America SiC PiN Diodes Production (2018-2029) & (K Pieces)

Figure 9. Europe SiC PiN Diodes Production (2018-2029) & (K Pieces)

Figure 10. China SiC PiN Diodes Production (2018-2029) & (K Pieces)

Figure 11. SiC PiN Diodes Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 14. World SiC PiN Diodes Consumption Market Share by Region (2018-2029)

Figure 15. United States SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 16. China SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 17. Europe SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 18. Japan SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 19. South Korea SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 20. ASEAN SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 21. India SiC PiN Diodes Consumption (2018-2029) & (K Pieces)

Figure 22. Producer Shipments of SiC PiN Diodes by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 23. Global Four-firm Concentration Ratios (CR4) for SiC PiN Diodes Markets in 2022

Figure 24. Global Four-firm Concentration Ratios (CR8) for SiC PiN Diodes Markets in 2022

Figure 25. United States VS China: SiC PiN Diodes Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 26. United States VS China: SiC PiN Diodes Production Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: SiC PiN Diodes Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States Based Manufacturers SiC PiN Diodes Production Market Share 2022

Figure 29. China Based Manufacturers SiC PiN Diodes Production Market Share 2022

Figure 30. Rest of World Based Manufacturers SiC PiN Diodes Production Market Share 2022

Figure 31. World SiC PiN Diodes Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 32. World SiC PiN Diodes Production Value Market Share by Type in 2022

Figure 33. 15 kV

Figure 34. 8 kV

Figure 35. World SiC PiN Diodes Production Market Share by Type (2018-2029)

Figure 36. World SiC PiN Diodes Production Value Market Share by Type (2018-2029)

Figure 37. World SiC PiN Diodes Average Price by Type (2018-2029) & (US\$/Piece)

Figure 38. World SiC PiN Diodes Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 39. World SiC PiN Diodes Production Value Market Share by Application in 2022

Figure 40. Consumer

Figure 41. Industrial

Figure 42. Aerospace & Defense

Figure 43. World SiC PiN Diodes Production Market Share by Application (2018-2029)

Figure 44. World SiC PiN Diodes Production Value Market Share by Application (2018-2029)

Figure 45. World SiC PiN Diodes Average Price by Application (2018-2029) & (US\$/Piece)

Figure 46. SiC PiN Diodes Industry Chain

Figure 47. SiC PiN Diodes Procurement Model

Figure 48. SiC PiN Diodes Sales Model

Figure 49. SiC PiN Diodes Sales Channels, Direct Sales, and Distribution

Figure 50. Methodology

Figure 51. Research Process and Data Source

I would like to order

Product name: Global SiC PiN Diodes Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GE764FDE260AEN.html>

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 <https://marketpublishers.com/r/GE764FDE260AEN.html>

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**

Customer signature _____

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

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