

Global Silicon Carbide (SiC) Semiconductor Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/G8F230EC6D09EN.html>

Date: March 2025

Pages: 170

Price: US\$ 3,200.00 (Single User License)

ID: G8F230EC6D09EN

Abstracts

Report Overview

Silicon Carbide (SiC) Semiconductor is a type of wide-bandgap semiconductor material that is increasingly being used in various electronic devices due to its superior properties compared to traditional silicon semiconductors. SiC semiconductors offer higher breakdown electric field strength, thermal conductivity, and operating temperature, making them ideal for applications requiring high power efficiency and temperature resilience. These semiconductors are commonly used in power electronics, automotive, renewable energy, and industrial sectors.

The market for Silicon Carbide (SiC) Semiconductors is experiencing significant growth driven by several key factors. One of the primary market drivers is the increasing demand for energy-efficient power electronic devices in various industries such as automotive, renewable energy, and telecommunications. The superior properties of SiC semiconductors, including lower power loss and higher switching frequencies, make them an attractive choice for applications requiring high power density and efficiency. Additionally, the growing adoption of electric vehicles and renewable energy systems is fueling the demand for SiC semiconductors in power electronics for efficient energy conversion. Moreover, ongoing technological advancements and investments in research and development are further driving the market growth for SiC semiconductors.

This report provides a deep insight into the global Silicon Carbide (SiC) Semiconductor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis,

etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Silicon Carbide (SiC) Semiconductor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Silicon Carbide (SiC) Semiconductor market in any manner.

Global Silicon Carbide (SiC) Semiconductor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Cree Incorporated

Fairchild Semiconductor International Inc

Genesic Semiconductor Inc

Infineon Technologies Ag

Microchip Technology

Norstel AB

Renesas Electronics Corporation

ROHM Co Ltd

STMicroelectronics N.V

Toshiba Corporation

Market Segmentation (by Type)

SIC Power Semiconductors

SIC Power Semiconductor Devices

SIC Power Diode Nodes

Market Segmentation (by Application)

Automotive

Aerospace and Defense

Computers

Consumer Electronics

Industrial

Healthcare

Power Sector

Solar

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Silicon Carbide (SiC) Semiconductor Market

Overview of the regional outlook of the Silicon Carbide (SiC) Semiconductor Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your

marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales

team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Silicon Carbide (SiC) Semiconductor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

Table of Contents

1 Research Methodology and Statistical Scope

1.1 Market Definition and Statistical Scope of Silicon Carbide (SiC) Semiconductor

1.2 Key Market Segments

1.2.1 Silicon Carbide (SiC) Semiconductor Segment by Type

1.2.2 Silicon Carbide (SiC) Semiconductor Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 Silicon Carbide (SiC) Semiconductor Market Overview

2.1 Global Market Overview

2.1.1 Global Silicon Carbide (SiC) Semiconductor Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Silicon Carbide (SiC) Semiconductor Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 Silicon Carbide (SiC) Semiconductor Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global Silicon Carbide (SiC) Semiconductor Product Life Cycle

3.3 Global Silicon Carbide (SiC) Semiconductor Sales by Manufacturers (2020-2025)

3.4 Global Silicon Carbide (SiC) Semiconductor Revenue Market Share by Manufacturers (2020-2025)

3.5 Silicon Carbide (SiC) Semiconductor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Silicon Carbide (SiC) Semiconductor Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Silicon Carbide (SiC) Semiconductor Manufacturing Sites, Area Served, Product Type

3.8 Silicon Carbide (SiC) Semiconductor Market Competitive Situation and Trends

3.8.1 Silicon Carbide (SiC) Semiconductor Market Concentration Rate

3.8.2 Global 5 and 10 Largest Silicon Carbide (SiC) Semiconductor Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

- 4 Silicon Carbide (SiC) Semiconductor Industry Chain Analysis
 - 4.1 Silicon Carbide (SiC) Semiconductor Industry Chain Analysis
 - 4.2 Market Overview of Key Raw Materials
 - 4.3 Midstream Market Analysis
 - 4.4 Downstream Customer Analysis
- 5 The Development and Dynamics of Silicon Carbide (SiC) Semiconductor Market
 - 5.1 Key Development Trends
 - 5.2 Driving Factors
 - 5.3 Market Challenges
 - 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
 - 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
 - 5.6 Global Silicon Carbide (SiC) Semiconductor Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to Silicon Carbide (SiC) Semiconductor Market
 - 5.7 ESG Ratings of Leading Companies
- 6 Silicon Carbide (SiC) Semiconductor Market Segmentation by Type
 - 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 6.2 Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Type (2020-2025)
 - 6.3 Global Silicon Carbide (SiC) Semiconductor Market Size Market Share by Type (2020-2025)
 - 6.4 Global Silicon Carbide (SiC) Semiconductor Price by Type (2020-2025)
- 7 Silicon Carbide (SiC) Semiconductor Market Segmentation by Application
 - 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 7.2 Global Silicon Carbide (SiC) Semiconductor Market Sales by Application (2020-2025)
 - 7.3 Global Silicon Carbide (SiC) Semiconductor Market Size (M USD) by Application (2020-2025)
 - 7.4 Global Silicon Carbide (SiC) Semiconductor Sales Growth Rate by Application (2020-2025)

- 8 Silicon Carbide (SiC) Semiconductor Market Sales by Region
 - 8.1 Global Silicon Carbide (SiC) Semiconductor Sales by Region
 - 8.1.1 Global Silicon Carbide (SiC) Semiconductor Sales by Region
 - 8.1.2 Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Region
 - 8.2 Global Silicon Carbide (SiC) Semiconductor Market Size by Region
 - 8.2.1 Global Silicon Carbide (SiC) Semiconductor Market Size by Region
 - 8.2.2 Global Silicon Carbide (SiC) Semiconductor Market Size Market Share by Region
 - 8.3 North America
 - 8.3.1 North America Silicon Carbide (SiC) Semiconductor Sales by Country
 - 8.3.2 North America Silicon Carbide (SiC) Semiconductor Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
 - 8.4 Europe
 - 8.4.1 Europe Silicon Carbide (SiC) Semiconductor Sales by Country
 - 8.4.2 Europe Silicon Carbide (SiC) Semiconductor Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
 - 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Silicon Carbide (SiC) Semiconductor Sales by Region
 - 8.5.2 Asia Pacific Silicon Carbide (SiC) Semiconductor Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
 - 8.6 South America
 - 8.6.1 South America Silicon Carbide (SiC) Semiconductor Sales by Country
 - 8.6.2 South America Silicon Carbide (SiC) Semiconductor Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
 - 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Silicon Carbide (SiC) Semiconductor Sales by Region
 - 8.7.2 Middle East and Africa Silicon Carbide (SiC) Semiconductor Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 Silicon Carbide (SiC) Semiconductor Market Production by Region

9.1 Global Production of Silicon Carbide (SiC) Semiconductor by Region(2020-2025)

9.2 Global Silicon Carbide (SiC) Semiconductor Revenue Market Share by Region (2020-2025)

9.3 Global Silicon Carbide (SiC) Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Silicon Carbide (SiC) Semiconductor Production

9.4.1 North America Silicon Carbide (SiC) Semiconductor Production Growth Rate (2020-2025)

9.4.2 North America Silicon Carbide (SiC) Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Silicon Carbide (SiC) Semiconductor Production

9.5.1 Europe Silicon Carbide (SiC) Semiconductor Production Growth Rate (2020-2025)

9.5.2 Europe Silicon Carbide (SiC) Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Silicon Carbide (SiC) Semiconductor Production (2020-2025)

9.6.1 Japan Silicon Carbide (SiC) Semiconductor Production Growth Rate (2020-2025)

9.6.2 Japan Silicon Carbide (SiC) Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Silicon Carbide (SiC) Semiconductor Production (2020-2025)

9.7.1 China Silicon Carbide (SiC) Semiconductor Production Growth Rate (2020-2025)

9.7.2 China Silicon Carbide (SiC) Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

10 Key Companies Profile

10.1 Cree Incorporated

10.1.1 Cree Incorporated Basic Information

10.1.2 Cree Incorporated Silicon Carbide (SiC) Semiconductor Product Overview

10.1.3 Cree Incorporated Silicon Carbide (SiC) Semiconductor Product Market Performance

10.1.4 Cree Incorporated Business Overview

10.1.5 Cree Incorporated SWOT Analysis

10.1.6 Cree Incorporated Recent Developments

10.2 Fairchild Semiconductor International Inc

10.2.1 Fairchild Semiconductor International Inc Basic Information

- 10.2.2 Fairchild Semiconductor International Inc Silicon Carbide (SiC) Semiconductor Product Overview
- 10.2.3 Fairchild Semiconductor International Inc Silicon Carbide (SiC) Semiconductor Product Market Performance
- 10.2.4 Fairchild Semiconductor International Inc Business Overview
- 10.2.5 Fairchild Semiconductor International Inc SWOT Analysis
- 10.2.6 Fairchild Semiconductor International Inc Recent Developments
- 10.3 Genesic Semiconductor Inc
 - 10.3.1 Genesic Semiconductor Inc Basic Information
 - 10.3.2 Genesic Semiconductor Inc Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.3.3 Genesic Semiconductor Inc Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.3.4 Genesic Semiconductor Inc Business Overview
 - 10.3.5 Genesic Semiconductor Inc SWOT Analysis
 - 10.3.6 Genesic Semiconductor Inc Recent Developments
- 10.4 Infineon Technologies Ag
 - 10.4.1 Infineon Technologies Ag Basic Information
 - 10.4.2 Infineon Technologies Ag Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.4.3 Infineon Technologies Ag Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.4.4 Infineon Technologies Ag Business Overview
 - 10.4.5 Infineon Technologies Ag Recent Developments
- 10.5 Microchip Technology
 - 10.5.1 Microchip Technology Basic Information
 - 10.5.2 Microchip Technology Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.5.3 Microchip Technology Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.5.4 Microchip Technology Business Overview
 - 10.5.5 Microchip Technology Recent Developments
- 10.6 Norstel AB
 - 10.6.1 Norstel AB Basic Information
 - 10.6.2 Norstel AB Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.6.3 Norstel AB Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.6.4 Norstel AB Business Overview
 - 10.6.5 Norstel AB Recent Developments
- 10.7 Renesas Electronics Corporation
 - 10.7.1 Renesas Electronics Corporation Basic Information

- 10.7.2 Renesas Electronics Corporation Silicon Carbide (SiC) Semiconductor Product Overview
- 10.7.3 Renesas Electronics Corporation Silicon Carbide (SiC) Semiconductor Product Market Performance
- 10.7.4 Renesas Electronics Corporation Business Overview
- 10.7.5 Renesas Electronics Corporation Recent Developments
- 10.8 ROHM Co Ltd
 - 10.8.1 ROHM Co Ltd Basic Information
 - 10.8.2 ROHM Co Ltd Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.8.3 ROHM Co Ltd Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.8.4 ROHM Co Ltd Business Overview
 - 10.8.5 ROHM Co Ltd Recent Developments
- 10.9 STMicroelectronics N.V.
 - 10.9.1 STMicroelectronics N.V Basic Information
 - 10.9.2 STMicroelectronics N.V Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.9.3 STMicroelectronics N.V Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.9.4 STMicroelectronics N.V Business Overview
 - 10.9.5 STMicroelectronics N.V Recent Developments
- 10.10 Toshiba Corporation
 - 10.10.1 Toshiba Corporation Basic Information
 - 10.10.2 Toshiba Corporation Silicon Carbide (SiC) Semiconductor Product Overview
 - 10.10.3 Toshiba Corporation Silicon Carbide (SiC) Semiconductor Product Market Performance
 - 10.10.4 Toshiba Corporation Business Overview
 - 10.10.5 Toshiba Corporation Recent Developments
- 11 Silicon Carbide (SiC) Semiconductor Market Forecast by Region
 - 11.1 Global Silicon Carbide (SiC) Semiconductor Market Size Forecast
 - 11.2 Global Silicon Carbide (SiC) Semiconductor Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country
 - 11.2.3 Asia Pacific Silicon Carbide (SiC) Semiconductor Market Size Forecast by Region
 - 11.2.4 South America Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Silicon Carbide (SiC) Semiconductor by Country
- 12 Forecast Market by Type and by Application (2026-2033)
 - 12.1 Global Silicon Carbide (SiC) Semiconductor Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Silicon Carbide (SiC) Semiconductor by Type (2026-2033)

12.1.2 Global Silicon Carbide (SiC) Semiconductor Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Silicon Carbide (SiC) Semiconductor by Type (2026-2033)

12.2 Global Silicon Carbide (SiC) Semiconductor Market Forecast by Application (2026-2033)

12.2.1 Global Silicon Carbide (SiC) Semiconductor Sales (K Units) Forecast by Application

12.2.2 Global Silicon Carbide (SiC) Semiconductor Market Size (M USD) Forecast by Application (2026-2033)

13 Conclusion and Key FindingsList of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Silicon Carbide (SiC) Semiconductor Market Size Comparison by Region (M USD)

Table 5. Global Silicon Carbide (SiC) Semiconductor Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Silicon Carbide (SiC) Semiconductor Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Silicon Carbide (SiC) Semiconductor Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Silicon Carbide (SiC) Semiconductor as of 2024)

Table 10. Global Market Silicon Carbide (SiC) Semiconductor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers Silicon Carbide (SiC) Semiconductor Manufacturing Sites and Area Served

Table 12. Manufacturers Silicon Carbide (SiC) Semiconductor Product Type

Table 13. Global Silicon Carbide (SiC) Semiconductor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Silicon Carbide (SiC) Semiconductor Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global Silicon Carbide (SiC) Semiconductor Sales by Type (K Units)

Table 25. Global Silicon Carbide (SiC) Semiconductor Market Size by Type (M USD)

Table 26. Global Silicon Carbide (SiC) Semiconductor Sales (K Units) by Type
(2020-2025)

Table 27. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Type
(2020-2025)

Table 28. Global Silicon Carbide (SiC) Semiconductor Market Size (M USD) by Type
(2020-2025)

Table 29. Global Silicon Carbide (SiC) Semiconductor Market Size Share by Type
(2020-2025)

Table 30. Global Silicon Carbide (SiC) Semiconductor Price (USD/Unit) by Type
(2020-2025)

Table 31. Global Silicon Carbide (SiC) Semiconductor Sales (K Units) by Application

Table 32. Global Silicon Carbide (SiC) Semiconductor Market Size by Application

Table 33. Global Silicon Carbide (SiC) Semiconductor Sales by Application (2020-2025)
& (K Units)

Table 34. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by
Application (2020-2025)

Table 35. Global Silicon Carbide (SiC) Semiconductor Market Size by Application
(2020-2025) & (M USD)

Table 36. Global Silicon Carbide (SiC) Semiconductor Market Share by Application
(2020-2025)

Table 37. Global Silicon Carbide (SiC) Semiconductor Sales Growth Rate by
Application (2020-2025)

Table 38. Global Silicon Carbide (SiC) Semiconductor Sales by Region (2020-2025) &
(K Units)

Table 39. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Region
(2020-2025)

Table 40. Global Silicon Carbide (SiC) Semiconductor Market Size by Region
(2020-2025) & (M USD)

Table 41. Global Silicon Carbide (SiC) Semiconductor Market Size Market Share by
Region (2020-2025)

Table 42. North America Silicon Carbide (SiC) Semiconductor Sales by Country

(2020-2025) & (K Units)

Table 43. North America Silicon Carbide (SiC) Semiconductor Market Size by Country (2020-2025) & (M USD)

Table 44. Europe Silicon Carbide (SiC) Semiconductor Sales by Country (2020-2025) & (K Units)

Table 45. Europe Silicon Carbide (SiC) Semiconductor Market Size by Country (2020-2025) & (M USD)

Table 46. Asia Pacific Silicon Carbide (SiC) Semiconductor Sales by Region (2020-2025) & (K Units)

Table 47. Asia Pacific Silicon Carbide (SiC) Semiconductor Market Size by Region (2020-2025) & (M USD)

Table 48. South America Silicon Carbide (SiC) Semiconductor Sales by Country (2020-2025) & (K Units)

Table 49. South America Silicon Carbide (SiC) Semiconductor Market Size by Country (2020-2025) & (M USD)

Table 50. Middle East and Africa Silicon Carbide (SiC) Semiconductor Sales by Region (2020-2025) & (K Units)

Table 51. Middle East and Africa Silicon Carbide (SiC) Semiconductor Market Size by Region (2020-2025) & (M USD)

Table 52. Global Silicon Carbide (SiC) Semiconductor Production (K Units) by Region(2020-2025)

Table 53. Global Silicon Carbide (SiC) Semiconductor Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global Silicon Carbide (SiC) Semiconductor Revenue Market Share by Region (2020-2025)

Table 55. Global Silicon Carbide (SiC) Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 56. North America Silicon Carbide (SiC) Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. Europe Silicon Carbide (SiC) Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Japan Silicon Carbide (SiC) Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. China Silicon Carbide (SiC) Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Cree Incorporated Basic Information

Table 61. Cree Incorporated Silicon Carbide (SiC) Semiconductor Product Overview

Table 62. Cree Incorporated Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 63. Cree Incorporated Business Overview
Table 64. Cree Incorporated SWOT Analysis
Table 65. Cree Incorporated Recent Developments
Table 66. Fairchild Semiconductor International Inc Basic Information
Table 67. Fairchild Semiconductor International Inc Silicon Carbide (SiC) Semiconductor Product Overview
Table 68. Fairchild Semiconductor International Inc Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 69. Fairchild Semiconductor International Inc Business Overview
Table 70. Fairchild Semiconductor International Inc SWOT Analysis
Table 71. Fairchild Semiconductor International Inc Recent Developments
Table 72. Genesic Semiconductor Inc Basic Information
Table 73. Genesic Semiconductor Inc Silicon Carbide (SiC) Semiconductor Product Overview
Table 74. Genesic Semiconductor Inc Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 75. Genesic Semiconductor Inc Business Overview
Table 76. Genesic Semiconductor Inc SWOT Analysis
Table 77. Genesic Semiconductor Inc Recent Developments
Table 78. Infineon Technologies Ag Basic Information
Table 79. Infineon Technologies Ag Silicon Carbide (SiC) Semiconductor Product Overview
Table 80. Infineon Technologies Ag Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 81. Infineon Technologies Ag Business Overview
Table 82. Infineon Technologies Ag Recent Developments
Table 83. Microchip Technology Basic Information
Table 84. Microchip Technology Silicon Carbide (SiC) Semiconductor Product Overview
Table 85. Microchip Technology Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 86. Microchip Technology Business Overview
Table 87. Microchip Technology Recent Developments
Table 88. Norstel AB Basic Information
Table 89. Norstel AB Silicon Carbide (SiC) Semiconductor Product Overview
Table 90. Norstel AB Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 91. Norstel AB Business Overview
Table 92. Norstel AB Recent Developments

Table 93. Renesas Electronics Corporation Basic Information

Table 94. Renesas Electronics Corporation Silicon Carbide (SiC) Semiconductor Product Overview

Table 95. Renesas Electronics Corporation Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. Renesas Electronics Corporation Business Overview

Table 97. Renesas Electronics Corporation Recent Developments

Table 98. ROHM Co Ltd Basic Information

Table 99. ROHM Co Ltd Silicon Carbide (SiC) Semiconductor Product Overview

Table 100. ROHM Co Ltd Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. ROHM Co Ltd Business Overview

Table 102. ROHM Co Ltd Recent Developments

Table 103. STMicroelectronics N.V Basic Information

Table 104. STMicroelectronics N.V Silicon Carbide (SiC) Semiconductor Product Overview

Table 105. STMicroelectronics N.V Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. STMicroelectronics N.V Business Overview

Table 107. STMicroelectronics N.V Recent Developments

Table 108. Toshiba Corporation Basic Information

Table 109. Toshiba Corporation Silicon Carbide (SiC) Semiconductor Product Overview

Table 110. Toshiba Corporation Silicon Carbide (SiC) Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. Toshiba Corporation Business Overview

Table 112. Toshiba Corporation Recent Developments

Table 113. Global Silicon Carbide (SiC) Semiconductor Sales Forecast by Region (2026-2033) & (K Units)

Table 114. Global Silicon Carbide (SiC) Semiconductor Market Size Forecast by Region (2026-2033) & (M USD)

Table 115. North America Silicon Carbide (SiC) Semiconductor Sales Forecast by Country (2026-2033) & (K Units)

Table 116. North America Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country (2026-2033) & (M USD)

Table 117. Europe Silicon Carbide (SiC) Semiconductor Sales Forecast by Country (2026-2033) & (K Units)

Table 118. Europe Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country (2026-2033) & (M USD)

Table 119. Asia Pacific Silicon Carbide (SiC) Semiconductor Sales Forecast by Region

(2026-2033) & (K Units)

Table 120. Asia Pacific Silicon Carbide (SiC) Semiconductor Market Size Forecast by Region (2026-2033) & (M USD)

Table 121. South America Silicon Carbide (SiC) Semiconductor Sales Forecast by Country (2026-2033) & (K Units)

Table 122. South America Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country (2026-2033) & (M USD)

Table 123. Middle East and Africa Silicon Carbide (SiC) Semiconductor Sales Forecast by Country (2026-2033) & (Units)

Table 124. Middle East and Africa Silicon Carbide (SiC) Semiconductor Market Size Forecast by Country (2026-2033) & (M USD)

Table 125. Global Silicon Carbide (SiC) Semiconductor Sales Forecast by Type (2026-2033) & (K Units)

Table 126. Global Silicon Carbide (SiC) Semiconductor Market Size Forecast by Type (2026-2033) & (M USD)

Table 127. Global Silicon Carbide (SiC) Semiconductor Price Forecast by Type (2026-2033) & (USD/Unit)

Table 128. Global Silicon Carbide (SiC) Semiconductor Sales (K Units) Forecast by Application (2026-2033)

Table 129. Global Silicon Carbide (SiC) Semiconductor Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of Silicon Carbide (SiC) Semiconductor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Silicon Carbide (SiC) Semiconductor Market Size (M USD), 2024-2033

Figure 5. Global Silicon Carbide (SiC) Semiconductor Market Size (M USD) (2020-2033)

Figure 6. Global Silicon Carbide (SiC) Semiconductor Sales (K Units) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Silicon Carbide (SiC) Semiconductor Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Silicon Carbide (SiC) Semiconductor Product Life Cycle

Figure 13. Silicon Carbide (SiC) Semiconductor Sales Share by Manufacturers in 2024

Figure 14. Global Silicon Carbide (SiC) Semiconductor Revenue Share by Manufacturers in 2024

Figure 15. Silicon Carbide (SiC) Semiconductor Market Share by Company Type (Tier

1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Silicon Carbide (SiC) Semiconductor Average Price (USD/Unit) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Silicon Carbide (SiC) Semiconductor Revenue in 2024

Figure 18. Industry Chain Map of Silicon Carbide (SiC) Semiconductor

Figure 19. Global Silicon Carbide (SiC) Semiconductor Market PEST Analysis

Figure 20. Global Silicon Carbide (SiC) Semiconductor Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Silicon Carbide (SiC) Semiconductor Market Share by Type

Figure 27. Sales Market Share of Silicon Carbide (SiC) Semiconductor by Type (2020-2025)

Figure 28. Sales Market Share of Silicon Carbide (SiC) Semiconductor by Type in 2024

Figure 29. Market Size Share of Silicon Carbide (SiC) Semiconductor by Type (2020-2025)

Figure 30. Market Size Share of Silicon Carbide (SiC) Semiconductor by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Silicon Carbide (SiC) Semiconductor Market Share by Application

Figure 33. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Application (2020-2025)

Figure 34. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Application in 2024

Figure 35. Global Silicon Carbide (SiC) Semiconductor Market Share by Application (2020-2025)

Figure 36. Global Silicon Carbide (SiC) Semiconductor Market Share by Application in 2024

Figure 37. Global Silicon Carbide (SiC) Semiconductor Sales Growth Rate by Application (2020-2025)

Figure 38. Global Silicon Carbide (SiC) Semiconductor Sales Market Share by Region (2020-2025)

Figure 39. Global Silicon Carbide (SiC) Semiconductor Market Size Market Share by Region (2020-2025)

Figure 40. North America Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Silicon Carbide (SiC) Semiconductor Sales Market Share by Country in 2024

Figure 43. North America Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Silicon Carbide (SiC) Semiconductor Market Size Market Share by Country in 2024

Figure 45. U.S. Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Silicon Carbide (SiC) Semiconductor Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Silicon Carbide (SiC) Semiconductor Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Silicon Carbide (SiC) Semiconductor Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Silicon Carbide (SiC) Semiconductor Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Silicon Carbide (SiC) Semiconductor Sales Market Share by Country in 2024

Figure 53. Europe Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Silicon Carbide (SiC) Semiconductor Market Size Market Share by Country in 2024

Figure 55. Germany Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 61. Italy Silicon Carbide (SiC) Semiconductor Sales and Growth Rate

(2020-2025) & (K Units)

Figure 62. Italy Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 63. Spain Silicon Carbide (SiC) Semiconductor Sales and Growth Rate

(2020-2025) & (K Units)

Figure 64. Spain Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 65. Asia Pacific Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Silicon Carbide (SiC) Semiconductor Sales Market Share by Region in 2024

Figure 67. Asia Pacific Silicon Carbide (SiC) Semiconductor Market Size Market Share by Region in 2024

Figure 68. China Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (K Units)

Figure 79. South America Silicon Carbide (SiC) Semiconductor Sales Market Share by Country in 2024

Figure 80. South America Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (M USD)

Figure 81. South America Silicon Carbide (SiC) Semiconductor Market Size Market Share by Country in 2024

Figure 82. Brazil Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Silicon Carbide (SiC) Semiconductor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Silicon Carbide (SiC) Semiconductor Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 100. South Africa Silicon Carbide (SiC) Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Silicon Carbide (SiC) Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Silicon Carbide (SiC) Semiconductor Production Market Share by Region (2020-2025)

Figure 103. North America Silicon Carbide (SiC) Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Silicon Carbide (SiC) Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Silicon Carbide (SiC) Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 106. China Silicon Carbide (SiC) Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Silicon Carbide (SiC) Semiconductor Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Silicon Carbide (SiC) Semiconductor Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Silicon Carbide (SiC) Semiconductor Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Silicon Carbide (SiC) Semiconductor Market Share Forecast by Type (2026-2033)

Figure 111. Global Silicon Carbide (SiC) Semiconductor Sales Forecast by Application (2026-2033)

Figure 112. Global Silicon Carbide (SiC) Semiconductor Market Share Forecast by Application (2026-2033)

I would like to order

Product name: Global Silicon Carbide (SiC) Semiconductor Market Research Report 2025(Status and Outlook)

Product link: <https://marketpublishers.com/r/G8F230EC6D09EN.html>

Price: US\$ 3,200.00 (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/G8F230EC6D09EN.html>