

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

<https://marketpublishers.com/r/GA45714C560EEN.html>

Date: March 2025

Pages: 175

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

ID: GA45714C560EEN

Abstracts

Report Overview

Silicon Carbide Semiconductor Devices are electronic components that utilize silicon carbide as the semiconductor material. These devices are known for their superior performance compared to traditional silicon-based semiconductors, offering higher efficiency, faster switching speeds, and better thermal conductivity. Silicon Carbide Semiconductor Devices are widely used in various applications such as power electronics, automotive, renewable energy, and industrial sectors. The market for Silicon Carbide Semiconductor Devices is driven by the increasing demand for energy-efficient devices, the growing adoption of electric vehicles, and the rising focus on renewable energy sources.

The market for Silicon Carbide Semiconductor Devices is witnessing a significant growth trend due to the advantages they offer over conventional silicon-based devices. The increasing need for high-power electronic devices with improved efficiency and performance is propelling the demand for Silicon Carbide Semiconductor Devices. Moreover, the automotive industry's shift towards electric vehicles and the growing emphasis on reducing carbon emissions are driving the adoption of Silicon Carbide Semiconductor Devices in the automotive sector. Additionally, the expanding renewable energy sector, particularly in solar and wind power generation, is creating opportunities for the market growth of Silicon Carbide Semiconductor Devices.

This report provides a deep insight into the global Silicon Carbide Semiconductor Device 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 Semiconductor Device 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 Semiconductor Device market in any manner.

Global Silicon Carbide Semiconductor Device 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

ALLEGRO MICROSYSTEMS

Infineon Technologies AG

ROHM

STMicroelectronics N.V.

ON SEMICONDUCTOR CORPORATION (on semi)

WOLFSPEED

Gene Sic Semiconductor

TT Electronics

Mitsubishi Electric Corporation

Powerex

Toshiba Corporation

FUJI ELECTRIC

Market Segmentation (by Type)

Diode

Integrated Circuit

Optoelectronic Devices

Other

Market Segmentation (by Application)

Automotive

Consumer Electronics

Aerospace & Defense

Medical Devices

Data & Communication Devices

Energy & Power

Other

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 Semiconductor Device Market

Overview of the regional outlook of the Silicon Carbide Semiconductor Device 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 Semiconductor Device 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 Semiconductor Device

1.2 Key Market Segments

1.2.1 Silicon Carbide Semiconductor Device Segment by Type

1.2.2 Silicon Carbide Semiconductor Device 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 Semiconductor Device Market Overview

2.1 Global Market Overview

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

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

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 Silicon Carbide Semiconductor Device Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global Silicon Carbide Semiconductor Device Product Life Cycle

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

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

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

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

3.7 Manufacturers Silicon Carbide Semiconductor Device Manufacturing Sites, Area Served, Product Type

3.8 Silicon Carbide Semiconductor Device Market Competitive Situation and Trends

3.8.1 Silicon Carbide Semiconductor Device Market Concentration Rate

3.8.2 Global 5 and 10 Largest Silicon Carbide Semiconductor Device Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

- 4 Silicon Carbide Semiconductor Device Industry Chain Analysis
 - 4.1 Silicon Carbide Semiconductor Device 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 Semiconductor Device 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 Semiconductor Device Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to Silicon Carbide Semiconductor Device Market
 - 5.7 ESG Ratings of Leading Companies
- 6 Silicon Carbide Semiconductor Device Market Segmentation by Type
 - 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 6.2 Global Silicon Carbide Semiconductor Device Sales Market Share by Type (2020-2025)
 - 6.3 Global Silicon Carbide Semiconductor Device Market Size Market Share by Type (2020-2025)
 - 6.4 Global Silicon Carbide Semiconductor Device Price by Type (2020-2025)
- 7 Silicon Carbide Semiconductor Device Market Segmentation by Application
 - 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 7.2 Global Silicon Carbide Semiconductor Device Market Sales by Application (2020-2025)
 - 7.3 Global Silicon Carbide Semiconductor Device Market Size (M USD) by Application (2020-2025)
 - 7.4 Global Silicon Carbide Semiconductor Device Sales Growth Rate by Application (2020-2025)

- 8 Silicon Carbide Semiconductor Device Market Sales by Region
 - 8.1 Global Silicon Carbide Semiconductor Device Sales by Region
 - 8.1.1 Global Silicon Carbide Semiconductor Device Sales by Region
 - 8.1.2 Global Silicon Carbide Semiconductor Device Sales Market Share by Region
 - 8.2 Global Silicon Carbide Semiconductor Device Market Size by Region
 - 8.2.1 Global Silicon Carbide Semiconductor Device Market Size by Region
 - 8.2.2 Global Silicon Carbide Semiconductor Device Market Size Market Share by Region
 - 8.3 North America
 - 8.3.1 North America Silicon Carbide Semiconductor Device Sales by Country
 - 8.3.2 North America Silicon Carbide Semiconductor Device 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 Semiconductor Device Sales by Country
 - 8.4.2 Europe Silicon Carbide Semiconductor Device 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 Semiconductor Device Sales by Region
 - 8.5.2 Asia Pacific Silicon Carbide Semiconductor Device 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 Semiconductor Device Sales by Country
 - 8.6.2 South America Silicon Carbide Semiconductor Device 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 Semiconductor Device Sales by Region
 - 8.7.2 Middle East and Africa Silicon Carbide Semiconductor Device 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 Semiconductor Device Market Production by Region

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

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

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

9.4 North America Silicon Carbide Semiconductor Device Production

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

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

9.5 Europe Silicon Carbide Semiconductor Device Production

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

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

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

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

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

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

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

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

10 Key Companies Profile

10.1 ALLEGRO MICROSYSTEMS

10.1.1 ALLEGRO MICROSYSTEMS Basic Information

10.1.2 ALLEGRO MICROSYSTEMS Silicon Carbide Semiconductor Device Product Overview

10.1.3 ALLEGRO MICROSYSTEMS Silicon Carbide Semiconductor Device Product Market Performance

- 10.1.4 ALLEGRO MICROSYSTEMS Business Overview
- 10.1.5 ALLEGRO MICROSYSTEMS SWOT Analysis
- 10.1.6 ALLEGRO MICROSYSTEMS Recent Developments
- 10.2 Infineon Technologies AG
 - 10.2.1 Infineon Technologies AG Basic Information
 - 10.2.2 Infineon Technologies AG Silicon Carbide Semiconductor Device Product Overview
 - 10.2.3 Infineon Technologies AG Silicon Carbide Semiconductor Device Product Market Performance
 - 10.2.4 Infineon Technologies AG Business Overview
 - 10.2.5 Infineon Technologies AG SWOT Analysis
 - 10.2.6 Infineon Technologies AG Recent Developments
- 10.3 ROHM
 - 10.3.1 ROHM Basic Information
 - 10.3.2 ROHM Silicon Carbide Semiconductor Device Product Overview
 - 10.3.3 ROHM Silicon Carbide Semiconductor Device Product Market Performance
 - 10.3.4 ROHM Business Overview
 - 10.3.5 ROHM SWOT Analysis
 - 10.3.6 ROHM Recent Developments
- 10.4 STMicroelectronics N.V.
 - 10.4.1 STMicroelectronics N.V. Basic Information
 - 10.4.2 STMicroelectronics N.V. Silicon Carbide Semiconductor Device Product Overview
 - 10.4.3 STMicroelectronics N.V. Silicon Carbide Semiconductor Device Product Market Performance
 - 10.4.4 STMicroelectronics N.V. Business Overview
 - 10.4.5 STMicroelectronics N.V. Recent Developments
- 10.5 ON SEMICONDUCTOR CORPORATION (on semi)
 - 10.5.1 ON SEMICONDUCTOR CORPORATION (on semi) Basic Information
 - 10.5.2 ON SEMICONDUCTOR CORPORATION (on semi) Silicon Carbide Semiconductor Device Product Overview
 - 10.5.3 ON SEMICONDUCTOR CORPORATION (on semi) Silicon Carbide Semiconductor Device Product Market Performance
 - 10.5.4 ON SEMICONDUCTOR CORPORATION (on semi) Business Overview
 - 10.5.5 ON SEMICONDUCTOR CORPORATION (on semi) Recent Developments
- 10.6 WOLFSPEED
 - 10.6.1 WOLFSPEED Basic Information
 - 10.6.2 WOLFSPEED Silicon Carbide Semiconductor Device Product Overview
 - 10.6.3 WOLFSPEED Silicon Carbide Semiconductor Device Product Market

Performance

10.6.4 WOLFSPEED Business Overview

10.6.5 WOLFSPEED Recent Developments

10.7 Gene Sic Semiconductor

10.7.1 Gene Sic Semiconductor Basic Information

10.7.2 Gene Sic Semiconductor Silicon Carbide Semiconductor Device Product Overview

10.7.3 Gene Sic Semiconductor Silicon Carbide Semiconductor Device Product Market Performance

10.7.4 Gene Sic Semiconductor Business Overview

10.7.5 Gene Sic Semiconductor Recent Developments

10.8 TT Electronics

10.8.1 TT Electronics Basic Information

10.8.2 TT Electronics Silicon Carbide Semiconductor Device Product Overview

10.8.3 TT Electronics Silicon Carbide Semiconductor Device Product Market Performance

10.8.4 TT Electronics Business Overview

10.8.5 TT Electronics Recent Developments

10.9 Mitsubishi Electric Corporation

10.9.1 Mitsubishi Electric Corporation Basic Information

10.9.2 Mitsubishi Electric Corporation Silicon Carbide Semiconductor Device Product Overview

10.9.3 Mitsubishi Electric Corporation Silicon Carbide Semiconductor Device Product Market Performance

10.9.4 Mitsubishi Electric Corporation Business Overview

10.9.5 Mitsubishi Electric Corporation Recent Developments

10.10 Powerex

10.10.1 Powerex Basic Information

10.10.2 Powerex Silicon Carbide Semiconductor Device Product Overview

10.10.3 Powerex Silicon Carbide Semiconductor Device Product Market Performance

10.10.4 Powerex Business Overview

10.10.5 Powerex Recent Developments

10.11 Toshiba Corporation

10.11.1 Toshiba Corporation Basic Information

10.11.2 Toshiba Corporation Silicon Carbide Semiconductor Device Product Overview

10.11.3 Toshiba Corporation Silicon Carbide Semiconductor Device Product Market Performance

10.11.4 Toshiba Corporation Business Overview

10.11.5 Toshiba Corporation Recent Developments

10.12 FUJI ELECTRIC

10.12.1 FUJI ELECTRIC Basic Information

10.12.2 FUJI ELECTRIC Silicon Carbide Semiconductor Device Product Overview

10.12.3 FUJI ELECTRIC Silicon Carbide Semiconductor Device Product Market Performance

10.12.4 FUJI ELECTRIC Business Overview

10.12.5 FUJI ELECTRIC Recent Developments

11 Silicon Carbide Semiconductor Device Market Forecast by Region

11.1 Global Silicon Carbide Semiconductor Device Market Size Forecast

11.2 Global Silicon Carbide Semiconductor Device Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Silicon Carbide Semiconductor Device Market Size Forecast by Country

11.2.3 Asia Pacific Silicon Carbide Semiconductor Device Market Size Forecast by Region

11.2.4 South America Silicon Carbide Semiconductor Device Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Silicon Carbide Semiconductor Device by Country

12 Forecast Market by Type and by Application (2026-2033)

12.1 Global Silicon Carbide Semiconductor Device Market Forecast by Type (2026-2033)

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

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

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

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

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

12.2.2 Global Silicon Carbide Semiconductor Device 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 Semiconductor Device Market Size Comparison by Region (M USD)

Table 5. Global Silicon Carbide Semiconductor Device Sales (K Units) by Manufacturers (2020-2025)
Table 6. Global Silicon Carbide Semiconductor Device Sales Market Share by Manufacturers (2020-2025)
Table 7. Global Silicon Carbide Semiconductor Device Revenue (M USD) by Manufacturers (2020-2025)
Table 8. Global Silicon Carbide Semiconductor Device Revenue Share by Manufacturers (2020-2025)
Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Silicon Carbide Semiconductor Device as of 2024)
Table 10. Global Market Silicon Carbide Semiconductor Device Average Price (USD/Unit) of Key Manufacturers (2020-2025)
Table 11. Manufacturers Silicon Carbide Semiconductor Device Manufacturing Sites and Area Served
Table 12. Manufacturers Silicon Carbide Semiconductor Device Product Type
Table 13. Global Silicon Carbide Semiconductor Device 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 Semiconductor Device 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 Semiconductor Device Sales by Type (K Units)
Table 25. Global Silicon Carbide Semiconductor Device Market Size by Type (M USD)
Table 26. Global Silicon Carbide Semiconductor Device Sales (K Units) by Type (2020-2025)
Table 27. Global Silicon Carbide Semiconductor Device Sales Market Share by Type (2020-2025)
Table 28. Global Silicon Carbide Semiconductor Device Market Size (M USD) by Type (2020-2025)
Table 29. Global Silicon Carbide Semiconductor Device Market Size Share by Type (2020-2025)
Table 30. Global Silicon Carbide Semiconductor Device Price (USD/Unit) by Type (2020-2025)

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

Table 32. Global Silicon Carbide Semiconductor Device Market Size by Application

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

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

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

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

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

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

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

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

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

Table 42. North America Silicon Carbide Semiconductor Device Sales by Country
(2020-2025) & (K Units)

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

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

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

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

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

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

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

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

Table 51. Middle East and Africa Silicon Carbide Semiconductor Device Market Size by

Region (2020-2025) & (M USD)

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

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

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

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

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

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

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

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

Table 60. ALLEGRO MICROSYSTEMS Basic Information

Table 61. ALLEGRO MICROSYSTEMS Silicon Carbide Semiconductor Device Product Overview

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

Table 63. ALLEGRO MICROSYSTEMS Business Overview

Table 64. ALLEGRO MICROSYSTEMS SWOT Analysis

Table 65. ALLEGRO MICROSYSTEMS Recent Developments

Table 66. Infineon Technologies AG Basic Information

Table 67. Infineon Technologies AG Silicon Carbide Semiconductor Device Product Overview

Table 68. Infineon Technologies AG Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 69. Infineon Technologies AG Business Overview

Table 70. Infineon Technologies AG SWOT Analysis

Table 71. Infineon Technologies AG Recent Developments

Table 72. ROHM Basic Information

Table 73. ROHM Silicon Carbide Semiconductor Device Product Overview

Table 74. ROHM Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 75. ROHM Business Overview

Table 76. ROHM SWOT Analysis

Table 77. ROHM Recent Developments

Table 78. STMicroelectronics N.V. Basic Information

Table 79. STMicroelectronics N.V. Silicon Carbide Semiconductor Device Product Overview

Table 80. STMicroelectronics N.V. Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. STMicroelectronics N.V. Business Overview

Table 82. STMicroelectronics N.V. Recent Developments

Table 83. ON SEMICONDUCTOR CORPORATION (on semi) Basic Information

Table 84. ON SEMICONDUCTOR CORPORATION (on semi) Silicon Carbide Semiconductor Device Product Overview

Table 85. ON SEMICONDUCTOR CORPORATION (on semi) Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. ON SEMICONDUCTOR CORPORATION (on semi) Business Overview

Table 87. ON SEMICONDUCTOR CORPORATION (on semi) Recent Developments

Table 88. WOLFSPEED Basic Information

Table 89. WOLFSPEED Silicon Carbide Semiconductor Device Product Overview

Table 90. WOLFSPEED Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. WOLFSPEED Business Overview

Table 92. WOLFSPEED Recent Developments

Table 93. Gene Sic Semiconductor Basic Information

Table 94. Gene Sic Semiconductor Silicon Carbide Semiconductor Device Product Overview

Table 95. Gene Sic Semiconductor Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. Gene Sic Semiconductor Business Overview

Table 97. Gene Sic Semiconductor Recent Developments

Table 98. TT Electronics Basic Information

Table 99. TT Electronics Silicon Carbide Semiconductor Device Product Overview

Table 100. TT Electronics Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. TT Electronics Business Overview

Table 102. TT Electronics Recent Developments

Table 103. Mitsubishi Electric Corporation Basic Information

Table 104. Mitsubishi Electric Corporation Silicon Carbide Semiconductor Device Product Overview

Table 105. Mitsubishi Electric Corporation Silicon Carbide Semiconductor Device Sales

(K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. Mitsubishi Electric Corporation Business Overview

Table 107. Mitsubishi Electric Corporation Recent Developments

Table 108. Powerex Basic Information

Table 109. Powerex Silicon Carbide Semiconductor Device Product Overview

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

Table 111. Powerex Business Overview

Table 112. Powerex Recent Developments

Table 113. Toshiba Corporation Basic Information

Table 114. Toshiba Corporation Silicon Carbide Semiconductor Device Product Overview

Table 115. Toshiba Corporation Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. Toshiba Corporation Business Overview

Table 117. Toshiba Corporation Recent Developments

Table 118. FUJI ELECTRIC Basic Information

Table 119. FUJI ELECTRIC Silicon Carbide Semiconductor Device Product Overview

Table 120. FUJI ELECTRIC Silicon Carbide Semiconductor Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 121. FUJI ELECTRIC Business Overview

Table 122. FUJI ELECTRIC Recent Developments

Table 123. Global Silicon Carbide Semiconductor Device Sales Forecast by Region (2026-2033) & (K Units)

Table 124. Global Silicon Carbide Semiconductor Device Market Size Forecast by Region (2026-2033) & (M USD)

Table 125. North America Silicon Carbide Semiconductor Device Sales Forecast by Country (2026-2033) & (K Units)

Table 126. North America Silicon Carbide Semiconductor Device Market Size Forecast by Country (2026-2033) & (M USD)

Table 127. Europe Silicon Carbide Semiconductor Device Sales Forecast by Country (2026-2033) & (K Units)

Table 128. Europe Silicon Carbide Semiconductor Device Market Size Forecast by Country (2026-2033) & (M USD)

Table 129. Asia Pacific Silicon Carbide Semiconductor Device Sales Forecast by Region (2026-2033) & (K Units)

Table 130. Asia Pacific Silicon Carbide Semiconductor Device Market Size Forecast by Region (2026-2033) & (M USD)

Table 131. South America Silicon Carbide Semiconductor Device Sales Forecast by

Country (2026-2033) & (K Units)

Table 132. South America Silicon Carbide Semiconductor Device Market Size Forecast by Country (2026-2033) & (M USD)

Table 133. Middle East and Africa Silicon Carbide Semiconductor Device Sales Forecast by Country (2026-2033) & (Units)

Table 134. Middle East and Africa Silicon Carbide Semiconductor Device Market Size Forecast by Country (2026-2033) & (M USD)

Table 135. Global Silicon Carbide Semiconductor Device Sales Forecast by Type (2026-2033) & (K Units)

Table 136. Global Silicon Carbide Semiconductor Device Market Size Forecast by Type (2026-2033) & (M USD)

Table 137. Global Silicon Carbide Semiconductor Device Price Forecast by Type (2026-2033) & (USD/Unit)

Table 138. Global Silicon Carbide Semiconductor Device Sales (K Units) Forecast by Application (2026-2033)

Table 139. Global Silicon Carbide Semiconductor Device Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of Silicon Carbide Semiconductor Device

Figure 2. Data Triangulation

Figure 3. Key Caveats

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

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

Figure 6. Global Silicon Carbide Semiconductor Device 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 Semiconductor Device Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Silicon Carbide Semiconductor Device Product Life Cycle

Figure 13. Silicon Carbide Semiconductor Device Sales Share by Manufacturers in 2024

Figure 14. Global Silicon Carbide Semiconductor Device Revenue Share by Manufacturers in 2024

Figure 15. Silicon Carbide Semiconductor Device Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Silicon Carbide Semiconductor Device Average Price

(USD/Unit) of Key Manufacturers in 2024

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

Figure 18. Industry Chain Map of Silicon Carbide Semiconductor Device

Figure 19. Global Silicon Carbide Semiconductor Device Market PEST Analysis

Figure 20. Global Silicon Carbide Semiconductor Device 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 Semiconductor Device Market Share by Type

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

Figure 28. Sales Market Share of Silicon Carbide Semiconductor Device by Type in 2024

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

Figure 30. Market Size Share of Silicon Carbide Semiconductor Device by Type in 2024

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

Figure 32. Global Silicon Carbide Semiconductor Device Market Share by Application

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

Figure 34. Global Silicon Carbide Semiconductor Device Sales Market Share by Application in 2024

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

Figure 36. Global Silicon Carbide Semiconductor Device Market Share by Application in 2024

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

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

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

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

Figure 41. North America Silicon Carbide Semiconductor Device Sales and Growth

Rate (2020-2025) & (K Units)

Figure 42. North America Silicon Carbide Semiconductor Device Sales Market Share by Country in 2024

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

Figure 44. North America Silicon Carbide Semiconductor Device Market Size Market Share by Country in 2024

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

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

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

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

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

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

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

Figure 52. Europe Silicon Carbide Semiconductor Device Sales Market Share by Country in 2024

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

Figure 54. Europe Silicon Carbide Semiconductor Device Market Size Market Share by Country in 2024

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

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

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

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

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

Figure 60. U.K. Silicon Carbide Semiconductor Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Silicon Carbide Semiconductor Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Silicon Carbide Semiconductor Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Silicon Carbide Semiconductor Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Silicon Carbide Semiconductor Device Market Size and Growth Rate (2020-2025) & (M USD)

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

Figure 66. Asia Pacific Silicon Carbide Semiconductor Device Sales Market Share by Region in 2024

Figure 67. Asia Pacific Silicon Carbide Semiconductor Device Market Size Market Share by Region in 2024

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

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

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

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

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

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

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

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

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

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

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

Figure 79. South America Silicon Carbide Semiconductor Device Sales Market Share by Country in 2024

Figure 80. South America Silicon Carbide Semiconductor Device Market Size and

Growth Rate (M USD)

Figure 81. South America Silicon Carbide Semiconductor Device Market Size Market Share by Country in 2024

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Figure 99. Nigeria Silicon Carbide Semiconductor Device Market Size and Growth Rate (2020-2025) & (M USD)

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

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

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

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

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

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

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

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

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

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

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

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

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

I would like to order

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

Product link: <https://marketpublishers.com/r/GA45714C560EEN.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/GA45714C560EEN.html>