

# Global Silicon Carbide (SiC) Semiconductor Devices Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G9E80998346GEN.html>

Date: June 2024

Pages: 94

Price: US\$ 3,480.00 (Single User License)

ID: G9E80998346GEN

## Abstracts

According to our (Global Info Research) latest study, the global Silicon Carbide (SiC) Semiconductor Devices market size was valued at USD 1347.5 million in 2023 and is forecast to a readjusted size of USD 1944.4 million by 2030 with a CAGR of 5.4% during review period.

Silicon Carbide (SiC) semiconductors are an innovative new option for power electronic designers looking for improved system efficiency, smaller form factor and higher operating temperature in products covering industrial, medical, mil-aerospace, aviation, and communication market segments.

According to our Semiconductor Research Center, in 2022, the global SiC wafer was valued at US\$ 750 million, will grow rapidly in next six years, driven by the strong demand from electric vehicle (EV). Currently the 6 inch SiC substrates are dominating this market, and in next six years, more players will put into production the 8 inch SiC wafers. Currently the key players of SiC are mainly located headquartered United States, Europe, Japan and China, especially in China, more companies are entering the SiC market. It is predicted that, Chinese companies will play key roles in the SiC market in next ten years.

The Global Info Research report includes an overview of the development of the Silicon Carbide (SiC) Semiconductor Devices industry chain, the market status of Automotive (SiC Diode, SiC Transistor), Aerospace and Defense (SiC Diode, SiC Transistor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Silicon Carbide (SiC) Semiconductor Devices.

Regionally, the report analyzes the Silicon Carbide (SiC) Semiconductor Devices markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Silicon Carbide (SiC) Semiconductor Devices market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Silicon Carbide (SiC) Semiconductor Devices market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Silicon Carbide (SiC) Semiconductor Devices industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., SiC Diode, SiC Transistor).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Silicon Carbide (SiC) Semiconductor Devices market.

**Regional Analysis:** The report involves examining the Silicon Carbide (SiC) Semiconductor Devices market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Silicon Carbide (SiC) Semiconductor Devices market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Silicon Carbide (SiC)

## Semiconductor Devices:

**Company Analysis:** Report covers individual Silicon Carbide (SiC) Semiconductor Devices manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Silicon Carbide (SiC) Semiconductor Devices. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Aerospace and Defense).

**Technology Analysis:** Report covers specific technologies relevant to Silicon Carbide (SiC) Semiconductor Devices. It assesses the current state, advancements, and potential future developments in Silicon Carbide (SiC) Semiconductor Devices areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Silicon Carbide (SiC) Semiconductor Devices market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Silicon Carbide (SiC) Semiconductor Devices market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

SIC Diode

SIC Transistor

Thyristors

Others

## Market segment by Application

Automotive

Aerospace and Defense

Energy

Industrial & Communication

Consumer Electronics

Others

## Major players covered

STMicroelectronics

Cree(Wolfspeed)

ROHM

Infineon Technologies

Microchip Technology Corporation

Toshiba Corporation

ON Semiconductor

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Silicon Carbide (SiC) Semiconductor Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silicon Carbide (SiC) Semiconductor Devices, with price, sales, revenue and global market share of Silicon Carbide (SiC) Semiconductor Devices from 2019 to 2024.

Chapter 3, the Silicon Carbide (SiC) Semiconductor Devices competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Silicon Carbide (SiC) Semiconductor Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Silicon Carbide (SiC) Semiconductor Devices market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Silicon

Carbide (SiC) Semiconductor Devices.

Chapter 14 and 15, to describe Silicon Carbide (SiC) Semiconductor Devices sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Silicon Carbide (SiC) Semiconductor Devices
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 SiC Diode
  - 1.3.3 SiC Transistor
  - 1.3.4 Thyristors
  - 1.3.5 Others
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Automotive
  - 1.4.3 Aerospace and Defense
  - 1.4.4 Energy
  - 1.4.5 Industrial & Communication
  - 1.4.6 Consumer Electronics
  - 1.4.7 Others
- 1.5 Global Silicon Carbide (SiC) Semiconductor Devices Market Size & Forecast
  - 1.5.1 Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (2019-2030)
  - 1.5.3 Global Silicon Carbide (SiC) Semiconductor Devices Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 STMicroelectronics
  - 2.1.1 STMicroelectronics Details
  - 2.1.2 STMicroelectronics Major Business
  - 2.1.3 STMicroelectronics Silicon Carbide (SiC) Semiconductor Devices Product and Services
  - 2.1.4 STMicroelectronics Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 STMicroelectronics Recent Developments/Updates
- 2.2 Cree(Wolfspeed)

- 2.2.1 Cree(Wolfspeed) Details
- 2.2.2 Cree(Wolfspeed) Major Business
- 2.2.3 Cree(Wolfspeed) Silicon Carbide (SiC) Semiconductor Devices Product and Services
- 2.2.4 Cree(Wolfspeed) Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Cree(Wolfspeed) Recent Developments/Updates
- 2.3 ROHM
  - 2.3.1 ROHM Details
  - 2.3.2 ROHM Major Business
  - 2.3.3 ROHM Silicon Carbide (SiC) Semiconductor Devices Product and Services
  - 2.3.4 ROHM Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 ROHM Recent Developments/Updates
- 2.4 Infineon Technologies
  - 2.4.1 Infineon Technologies Details
  - 2.4.2 Infineon Technologies Major Business
  - 2.4.3 Infineon Technologies Silicon Carbide (SiC) Semiconductor Devices Product and Services
  - 2.4.4 Infineon Technologies Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Infineon Technologies Recent Developments/Updates
- 2.5 Microchip Technology Corporation
  - 2.5.1 Microchip Technology Corporation Details
  - 2.5.2 Microchip Technology Corporation Major Business
  - 2.5.3 Microchip Technology Corporation Silicon Carbide (SiC) Semiconductor Devices Product and Services
  - 2.5.4 Microchip Technology Corporation Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Microchip Technology Corporation Recent Developments/Updates
- 2.6 Toshiba Corporation
  - 2.6.1 Toshiba Corporation Details
  - 2.6.2 Toshiba Corporation Major Business
  - 2.6.3 Toshiba Corporation Silicon Carbide (SiC) Semiconductor Devices Product and Services
  - 2.6.4 Toshiba Corporation Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 Toshiba Corporation Recent Developments/Updates
- 2.7 ON Semiconductor



- 2.7.1 ON Semiconductor Details
- 2.7.2 ON Semiconductor Major Business
- 2.7.3 ON Semiconductor Silicon Carbide (SiC) Semiconductor Devices Product and Services
- 2.7.4 ON Semiconductor Silicon Carbide (SiC) Semiconductor Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.7.5 ON Semiconductor Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES BY MANUFACTURER**

- 3.1 Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Silicon Carbide (SiC) Semiconductor Devices Revenue by Manufacturer (2019-2024)
- 3.3 Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Silicon Carbide (SiC) Semiconductor Devices by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Silicon Carbide (SiC) Semiconductor Devices Manufacturer Market Share in 2023
  - 3.4.2 Top 6 Silicon Carbide (SiC) Semiconductor Devices Manufacturer Market Share in 2023
- 3.5 Silicon Carbide (SiC) Semiconductor Devices Market: Overall Company Footprint Analysis
  - 3.5.1 Silicon Carbide (SiC) Semiconductor Devices Market: Region Footprint
  - 3.5.2 Silicon Carbide (SiC) Semiconductor Devices Market: Company Product Type Footprint
  - 3.5.3 Silicon Carbide (SiC) Semiconductor Devices Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Silicon Carbide (SiC) Semiconductor Devices Market Size by Region
  - 4.1.1 Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2019-2030)

4.1.2 Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2019-2030)

4.1.3 Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Region (2019-2030)

4.2 North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030)

4.3 Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030)

4.4 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030)

4.5 South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030)

4.6 Middle East and Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)

5.2 Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type (2019-2030)

5.3 Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)

6.2 Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application (2019-2030)

6.3 Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

7.1 North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)

7.2 North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)

## 7.3 North America Silicon Carbide (SiC) Semiconductor Devices Market Size by Country

7.3.1 North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2030)

7.3.2 North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

## 8 EUROPE

8.1 Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)

8.2 Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)

8.3 Europe Silicon Carbide (SiC) Semiconductor Devices Market Size by Country

8.3.1 Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2030)

8.3.2 Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

## 9 ASIA-PACIFIC

9.1 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Market Size by Region

9.3.1 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

- 9.3.4 Japan Market Size and Forecast (2019-2030)
- 9.3.5 Korea Market Size and Forecast (2019-2030)
- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)
- 10.2 South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)
- 10.3 South America Silicon Carbide (SiC) Semiconductor Devices Market Size by Country
  - 10.3.1 South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Market Size by Country
  - 11.3.1 Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

- 12.1 Silicon Carbide (SiC) Semiconductor Devices Market Drivers
- 12.2 Silicon Carbide (SiC) Semiconductor Devices Market Restraints
- 12.3 Silicon Carbide (SiC) Semiconductor Devices Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Silicon Carbide (SiC) Semiconductor Devices and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Silicon Carbide (SiC) Semiconductor Devices
- 13.3 Silicon Carbide (SiC) Semiconductor Devices Production Process
- 13.4 Silicon Carbide (SiC) Semiconductor Devices Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Silicon Carbide (SiC) Semiconductor Devices Typical Distributors
- 14.3 Silicon Carbide (SiC) Semiconductor Devices Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 4. STMicroelectronics Major Business

Table 5. STMicroelectronics Silicon Carbide (SiC) Semiconductor Devices Product and Services

Table 6. STMicroelectronics Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. STMicroelectronics Recent Developments/Updates

Table 8. Cree(Wolfspeed) Basic Information, Manufacturing Base and Competitors

Table 9. Cree(Wolfspeed) Major Business

Table 10. Cree(Wolfspeed) Silicon Carbide (SiC) Semiconductor Devices Product and Services

Table 11. Cree(Wolfspeed) Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Cree(Wolfspeed) Recent Developments/Updates

Table 13. ROHM Basic Information, Manufacturing Base and Competitors

Table 14. ROHM Major Business

Table 15. ROHM Silicon Carbide (SiC) Semiconductor Devices Product and Services

Table 16. ROHM Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. ROHM Recent Developments/Updates

Table 18. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 19. Infineon Technologies Major Business

Table 20. Infineon Technologies Silicon Carbide (SiC) Semiconductor Devices Product and Services

Table 21. Infineon Technologies Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

- Table 22. Infineon Technologies Recent Developments/Updates
- Table 23. Microchip Technology Corporation Basic Information, Manufacturing Base and Competitors
- Table 24. Microchip Technology Corporation Major Business
- Table 25. Microchip Technology Corporation Silicon Carbide (SiC) Semiconductor Devices Product and Services
- Table 26. Microchip Technology Corporation Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Microchip Technology Corporation Recent Developments/Updates
- Table 28. Toshiba Corporation Basic Information, Manufacturing Base and Competitors
- Table 29. Toshiba Corporation Major Business
- Table 30. Toshiba Corporation Silicon Carbide (SiC) Semiconductor Devices Product and Services
- Table 31. Toshiba Corporation Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Toshiba Corporation Recent Developments/Updates
- Table 33. ON Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 34. ON Semiconductor Major Business
- Table 35. ON Semiconductor Silicon Carbide (SiC) Semiconductor Devices Product and Services
- Table 36. ON Semiconductor Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. ON Semiconductor Recent Developments/Updates
- Table 38. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 39. Global Silicon Carbide (SiC) Semiconductor Devices Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 40. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 41. Market Position of Manufacturers in Silicon Carbide (SiC) Semiconductor Devices, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 42. Head Office and Silicon Carbide (SiC) Semiconductor Devices Production Site of Key Manufacturer
- Table 43. Silicon Carbide (SiC) Semiconductor Devices Market: Company Product Type Footprint
- Table 44. Silicon Carbide (SiC) Semiconductor Devices Market: Company Product

## Application Footprint

Table 45. Silicon Carbide (SiC) Semiconductor Devices New Market Entrants and Barriers to Market Entry

Table 46. Silicon Carbide (SiC) Semiconductor Devices Mergers, Acquisition, Agreements, and Collaborations

Table 47. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2019-2024) & (K Units)

Table 48. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2025-2030) & (K Units)

Table 49. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2019-2024) & (USD Million)

Table 50. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2025-2030) & (USD Million)

Table 51. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Region (2019-2024) & (USD/Unit)

Table 52. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Region (2025-2030) & (USD/Unit)

Table 53. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 54. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 55. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type (2019-2024) & (USD Million)

Table 56. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type (2025-2030) & (USD Million)

Table 57. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Type (2019-2024) & (USD/Unit)

Table 58. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Type (2025-2030) & (USD/Unit)

Table 59. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2024) & (K Units)

Table 60. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 61. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application (2019-2024) & (USD Million)

Table 62. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application (2025-2030) & (USD Million)

Table 63. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Application (2019-2024) & (USD/Unit)



Table 64. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Application (2025-2030) & (USD/Unit)

Table 65. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 66. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 67. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2024) & (K Units)

Table 68. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 69. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2024) & (K Units)

Table 70. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2025-2030) & (K Units)

Table 71. North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2024) & (USD Million)

Table 72. North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2025-2030) & (USD Million)

Table 73. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 74. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 75. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2024) & (K Units)

Table 76. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 77. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2024) & (K Units)

Table 78. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2025-2030) & (K Units)

Table 79. Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2024) & (USD Million)

Table 80. Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2025-2030) & (USD Million)

Table 81. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 82. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 83. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by

Application (2019-2024) & (K Units)

Table 84. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 85. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2019-2024) & (K Units)

Table 86. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2025-2030) & (K Units)

Table 87. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2019-2024) & (USD Million)

Table 88. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2025-2030) & (USD Million)

Table 89. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 90. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 91. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2024) & (K Units)

Table 92. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 93. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2019-2024) & (K Units)

Table 94. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Country (2025-2030) & (K Units)

Table 95. South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2019-2024) & (USD Million)

Table 96. South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Country (2025-2030) & (USD Million)

Table 97. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2019-2024) & (K Units)

Table 98. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Type (2025-2030) & (K Units)

Table 99. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2019-2024) & (K Units)

Table 100. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Application (2025-2030) & (K Units)

Table 101. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2019-2024) & (K Units)

Table 102. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity by Region (2025-2030) & (K Units)

Table 103. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2019-2024) & (USD Million)

Table 104. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Region (2025-2030) & (USD Million)

Table 105. Silicon Carbide (SiC) Semiconductor Devices Raw Material

Table 106. Key Manufacturers of Silicon Carbide (SiC) Semiconductor Devices Raw Materials

Table 107. Silicon Carbide (SiC) Semiconductor Devices Typical Distributors

Table 108. Silicon Carbide (SiC) Semiconductor Devices Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Silicon Carbide (SiC) Semiconductor Devices Picture
- Figure 2. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Type in 2023
- Figure 4. SiC Diode Examples
- Figure 5. SiC Transistor Examples
- Figure 6. Thyristors Examples
- Figure 7. Others Examples
- Figure 8. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 9. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Application in 2023
- Figure 10. Automotive Examples
- Figure 11. Aerospace and Defense Examples
- Figure 12. Energy Examples
- Figure 13. Industrial & Communication Examples
- Figure 14. Consumer Electronics Examples
- Figure 15. Others Examples
- Figure 16. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 17. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 18. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity (2019-2030) & (K Units)
- Figure 19. Global Silicon Carbide (SiC) Semiconductor Devices Average Price (2019-2030) & (USD/Unit)
- Figure 20. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Manufacturer in 2023
- Figure 21. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Manufacturer in 2023
- Figure 22. Producer Shipments of Silicon Carbide (SiC) Semiconductor Devices by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 23. Top 3 Silicon Carbide (SiC) Semiconductor Devices Manufacturer (Consumption Value) Market Share in 2023

Figure 24. Top 6 Silicon Carbide (SiC) Semiconductor Devices Manufacturer (Consumption Value) Market Share in 2023

Figure 25. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Region (2019-2030)

Figure 26. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Region (2019-2030)

Figure 27. North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030) & (USD Million)

Figure 28. Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030) & (USD Million)

Figure 29. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030) & (USD Million)

Figure 30. South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030) & (USD Million)

Figure 31. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value (2019-2030) & (USD Million)

Figure 32. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)

Figure 33. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Type (2019-2030)

Figure 34. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Type (2019-2030) & (USD/Unit)

Figure 35. Global Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)

Figure 36. Global Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Application (2019-2030)

Figure 37. Global Silicon Carbide (SiC) Semiconductor Devices Average Price by Application (2019-2030) & (USD/Unit)

Figure 38. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)

Figure 39. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)

Figure 40. North America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Country (2019-2030)

Figure 41. North America Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Country (2019-2030)

Figure 42. United States Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Canada Silicon Carbide (SiC) Semiconductor Devices Consumption Value

and Growth Rate (2019-2030) & (USD Million)

Figure 44. Mexico Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)

Figure 46. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)

Figure 47. Europe Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Country (2019-2030)

Figure 48. Europe Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Country (2019-2030)

Figure 49. Germany Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. France Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. United Kingdom Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Russia Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Italy Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)

Figure 55. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)

Figure 56. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Region (2019-2030)

Figure 57. Asia-Pacific Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Region (2019-2030)

Figure 58. China Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Japan Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Korea Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. India Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Southeast Asia Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)

- Figure 63. Australia Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 64. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)
- Figure 65. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)
- Figure 66. South America Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Country (2019-2030)
- Figure 67. South America Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Country (2019-2030)
- Figure 68. Brazil Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 69. Argentina Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 70. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Type (2019-2030)
- Figure 71. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Application (2019-2030)
- Figure 72. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Sales Quantity Market Share by Region (2019-2030)
- Figure 73. Middle East & Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value Market Share by Region (2019-2030)
- Figure 74. Turkey Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 75. Egypt Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 76. Saudi Arabia Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 77. South Africa Silicon Carbide (SiC) Semiconductor Devices Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 78. Silicon Carbide (SiC) Semiconductor Devices Market Drivers
- Figure 79. Silicon Carbide (SiC) Semiconductor Devices Market Restraints
- Figure 80. Silicon Carbide (SiC) Semiconductor Devices Market Trends
- Figure 81. Porters Five Forces Analysis
- Figure 82. Manufacturing Cost Structure Analysis of Silicon Carbide (SiC) Semiconductor Devices in 2023
- Figure 83. Manufacturing Process Analysis of Silicon Carbide (SiC) Semiconductor Devices
- Figure 84. Silicon Carbide (SiC) Semiconductor Devices Industrial Chain

Figure 85. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source



## I would like to order

Product name: Global Silicon Carbide (SiC) Semiconductor Devices Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G9E80998346GEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9E80998346GEN.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

