

Global SiC MOSFET Module Market Growth 2023-2029

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Abstracts

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Silicon carbide MOSFET has the characteristics of low on-off resistance and small switch loss, which can reduce device loss and improve system efficiency. It is more suitable for high frequency circuit.

It is widely used in new energy vehicle motor controller, on-board power supply, solar inverter, charging pile, UPS, PFC power supply and other fields.

This report investigates the market for SiC MOSFET chips and devices and SiC MOSFET modules.

LPI (LP Information)' newest research report, the "SiC MOSFET Module Industry Forecast" looks at past sales and reviews total world SiC MOSFET Module sales in 2022, providing a comprehensive analysis by region and market sector of projected SiC MOSFET Module sales for 2023 through 2029. With SiC MOSFET Module sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world SiC MOSFET Module industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for SiC MOSFET Module and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global SiC MOSFET Module.

The global SiC MOSFET Module market size is projected to grow from US\$ 514.3 million in 2022 to US\$ 1603.1 million in 2029; it is expected to grow at a CAGR of 1603.1 from 2023 to 2029.

From a global perspective, China is the largest production region, and the main production enterprises are also concentrated in this region, such as Infineon Technologies, ON Semiconductor, STMicroelectronics etc. The total output value of China in 2019 is 222.31 million USD, accounting for 62.14% of the world, followed by Japan. The main manufacturers in this area include ROHM and Mitsubishi Electric, etc.

In the report, there are two mainly types of SiC MOSFET Chips/Devices and Module, including SiC MOSFET Chips/Devices and SiC MOSFET Module. And SiC MOSFET Chips/Devices is the main type for SiC MOSFET Chips/Devices and Module

This report presents a comprehensive overview, market shares, and growth opportunities of SiC MOSFET Module market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Full Silicon Carbide Modules

Hybrid Silicon Carbide Modules

Segmentation by application

Industrial

Automotive

Medical

Aerospace and Defense

Other Applications

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

STMicroelectronics

ROHM CO.,LTD.

Starpower

Wolfspeed

Infineon Technologies

ON Semiconductor

Littelfuse

Microchip

Mitsubishi Electric

GeneSiC Semiconductor Inc.

Shenzhen BASiC Semiconductor LTD

Imperix

Key Questions Addressed in this Report

What is the 10-year outlook for the global SiC MOSFET Module market?

What factors are driving SiC MOSFET Module market growth, globally and by region?

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

How do SiC MOSFET Module market opportunities vary by end market size?

How does SiC MOSFET Module break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global SiC MOSFET Module Annual Sales 2018-2029
 - 2.1.2 World Current & Future Analysis for SiC MOSFET Module by Geographic Region, 2018, 2022 & 2029
 - 2.1.3 World Current & Future Analysis for SiC MOSFET Module by Country/Region, 2018, 2022 & 2029
- 2.2 SiC MOSFET Module Segment by Type
 - 2.2.1 Full Silicon Carbide Modules
 - 2.2.2 Hybrid Silicon Carbide Modules
- 2.3 SiC MOSFET Module Sales by Type
 - 2.3.1 Global SiC MOSFET Module Sales Market Share by Type (2018-2023)
 - 2.3.2 Global SiC MOSFET Module Revenue and Market Share by Type (2018-2023)
 - 2.3.3 Global SiC MOSFET Module Sale Price by Type (2018-2023)
- 2.4 SiC MOSFET Module Segment by Application
 - 2.4.1 Industrial
 - 2.4.2 Automotive
 - 2.4.3 Medical
 - 2.4.4 Aerospace and Defense
 - 2.4.5 Other Applications
- 2.5 SiC MOSFET Module Sales by Application
 - 2.5.1 Global SiC MOSFET Module Sale Market Share by Application (2018-2023)
 - 2.5.2 Global SiC MOSFET Module Revenue and Market Share by Application (2018-2023)
 - 2.5.3 Global SiC MOSFET Module Sale Price by Application (2018-2023)

3 GLOBAL SiC MOSFET MODULE BY COMPANY

- 3.1 Global SiC MOSFET Module Breakdown Data by Company
 - 3.1.1 Global SiC MOSFET Module Annual Sales by Company (2018-2023)
 - 3.1.2 Global SiC MOSFET Module Sales Market Share by Company (2018-2023)
- 3.2 Global SiC MOSFET Module Annual Revenue by Company (2018-2023)
 - 3.2.1 Global SiC MOSFET Module Revenue by Company (2018-2023)
 - 3.2.2 Global SiC MOSFET Module Revenue Market Share by Company (2018-2023)
- 3.3 Global SiC MOSFET Module Sale Price by Company
- 3.4 Key Manufacturers SiC MOSFET Module Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers SiC MOSFET Module Product Location Distribution
 - 3.4.2 Players SiC MOSFET Module Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR SiC MOSFET MODULE BY GEOGRAPHIC REGION

- 4.1 World Historic SiC MOSFET Module Market Size by Geographic Region (2018-2023)
 - 4.1.1 Global SiC MOSFET Module Annual Sales by Geographic Region (2018-2023)
 - 4.1.2 Global SiC MOSFET Module Annual Revenue by Geographic Region (2018-2023)
- 4.2 World Historic SiC MOSFET Module Market Size by Country/Region (2018-2023)
 - 4.2.1 Global SiC MOSFET Module Annual Sales by Country/Region (2018-2023)
 - 4.2.2 Global SiC MOSFET Module Annual Revenue by Country/Region (2018-2023)
- 4.3 Americas SiC MOSFET Module Sales Growth
- 4.4 APAC SiC MOSFET Module Sales Growth
- 4.5 Europe SiC MOSFET Module Sales Growth
- 4.6 Middle East & Africa SiC MOSFET Module Sales Growth

5 AMERICAS

- 5.1 Americas SiC MOSFET Module Sales by Country

- 5.1.1 Americas SiC MOSFET Module Sales by Country (2018-2023)
- 5.1.2 Americas SiC MOSFET Module Revenue by Country (2018-2023)
- 5.2 Americas SiC MOSFET Module Sales by Type
- 5.3 Americas SiC MOSFET Module Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC SiC MOSFET Module Sales by Region
 - 6.1.1 APAC SiC MOSFET Module Sales by Region (2018-2023)
 - 6.1.2 APAC SiC MOSFET Module Revenue by Region (2018-2023)
- 6.2 APAC SiC MOSFET Module Sales by Type
- 6.3 APAC SiC MOSFET Module Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe SiC MOSFET Module by Country
 - 7.1.1 Europe SiC MOSFET Module Sales by Country (2018-2023)
 - 7.1.2 Europe SiC MOSFET Module Revenue by Country (2018-2023)
- 7.2 Europe SiC MOSFET Module Sales by Type
- 7.3 Europe SiC MOSFET Module Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa SiC MOSFET Module by Country

8.1.1 Middle East & Africa SiC MOSFET Module Sales by Country (2018-2023)

8.1.2 Middle East & Africa SiC MOSFET Module Revenue by Country (2018-2023)

8.2 Middle East & Africa SiC MOSFET Module Sales by Type

8.3 Middle East & Africa SiC MOSFET Module Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of SiC MOSFET Module

10.3 Manufacturing Process Analysis of SiC MOSFET Module

10.4 Industry Chain Structure of SiC MOSFET Module

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 SiC MOSFET Module Distributors

11.3 SiC MOSFET Module Customer

12 WORLD FORECAST REVIEW FOR SIC MOSFET MODULE BY GEOGRAPHIC REGION

12.1 Global SiC MOSFET Module Market Size Forecast by Region

12.1.1 Global SiC MOSFET Module Forecast by Region (2024-2029)

12.1.2 Global SiC MOSFET Module Annual Revenue Forecast by Region (2024-2029)

12.2 Americas Forecast by Country

- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global SiC MOSFET Module Forecast by Type
- 12.7 Global SiC MOSFET Module Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 STMicroelectronics

- 13.1.1 STMicroelectronics Company Information
- 13.1.2 STMicroelectronics SiC MOSFET Module Product Portfolios and Specifications
- 13.1.3 STMicroelectronics SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.1.4 STMicroelectronics Main Business Overview
- 13.1.5 STMicroelectronics Latest Developments

13.2 ROHM CO., LTD.

- 13.2.1 ROHM CO., LTD. Company Information
- 13.2.2 ROHM CO., LTD. SiC MOSFET Module Product Portfolios and Specifications
- 13.2.3 ROHM CO., LTD. SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.2.4 ROHM CO., LTD. Main Business Overview
- 13.2.5 ROHM CO., LTD. Latest Developments

13.3 Starpower

- 13.3.1 Starpower Company Information
- 13.3.2 Starpower SiC MOSFET Module Product Portfolios and Specifications
- 13.3.3 Starpower SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.3.4 Starpower Main Business Overview
- 13.3.5 Starpower Latest Developments

13.4 Wolfspeed

- 13.4.1 Wolfspeed Company Information
- 13.4.2 Wolfspeed SiC MOSFET Module Product Portfolios and Specifications
- 13.4.3 Wolfspeed SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.4.4 Wolfspeed Main Business Overview
- 13.4.5 Wolfspeed Latest Developments

13.5 Infineon Technologies

- 13.5.1 Infineon Technologies Company Information
- 13.5.2 Infineon Technologies SiC MOSFET Module Product Portfolios and

Specifications

13.5.3 Infineon Technologies SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

13.5.4 Infineon Technologies Main Business Overview

13.5.5 Infineon Technologies Latest Developments

13.6 ON Semiconductor

13.6.1 ON Semiconductor Company Information

13.6.2 ON Semiconductor SiC MOSFET Module Product Portfolios and Specifications

13.6.3 ON Semiconductor SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

13.6.4 ON Semiconductor Main Business Overview

13.6.5 ON Semiconductor Latest Developments

13.7 Littelfuse

13.7.1 Littelfuse Company Information

13.7.2 Littelfuse SiC MOSFET Module Product Portfolios and Specifications

13.7.3 Littelfuse SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

13.7.4 Littelfuse Main Business Overview

13.7.5 Littelfuse Latest Developments

13.8 Microchip

13.8.1 Microchip Company Information

13.8.2 Microchip SiC MOSFET Module Product Portfolios and Specifications

13.8.3 Microchip SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

13.8.4 Microchip Main Business Overview

13.8.5 Microchip Latest Developments

13.9 Mitsubishi Electric

13.9.1 Mitsubishi Electric Company Information

13.9.2 Mitsubishi Electric SiC MOSFET Module Product Portfolios and Specifications

13.9.3 Mitsubishi Electric SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

13.9.4 Mitsubishi Electric Main Business Overview

13.9.5 Mitsubishi Electric Latest Developments

13.10 GeneSiC Semiconductor Inc.

13.10.1 GeneSiC Semiconductor Inc. Company Information

13.10.2 GeneSiC Semiconductor Inc. SiC MOSFET Module Product Portfolios and Specifications

13.10.3 GeneSiC Semiconductor Inc. SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.10.4 GeneSiC Semiconductor Inc. Main Business Overview
- 13.10.5 GeneSiC Semiconductor Inc. Latest Developments
- 13.11 Shenzhen BASiC Semiconductor LTD
 - 13.11.1 Shenzhen BASiC Semiconductor LTD Company Information
 - 13.11.2 Shenzhen BASiC Semiconductor LTD SiC MOSFET Module Product Portfolios and Specifications
 - 13.11.3 Shenzhen BASiC Semiconductor LTD SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.11.4 Shenzhen BASiC Semiconductor LTD Main Business Overview
 - 13.11.5 Shenzhen BASiC Semiconductor LTD Latest Developments
- 13.12 Imperix
 - 13.12.1 Imperix Company Information
 - 13.12.2 Imperix SiC MOSFET Module Product Portfolios and Specifications
 - 13.12.3 Imperix SiC MOSFET Module Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.12.4 Imperix Main Business Overview
 - 13.12.5 Imperix Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. SiC MOSFET Module Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. SiC MOSFET Module Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Full Silicon Carbide Modules

Table 4. Major Players of Hybrid Silicon Carbide Modules

Table 5. Global SiC MOSFET Module Sales by Type (2018-2023) & (K Units)

Table 6. Global SiC MOSFET Module Sales Market Share by Type (2018-2023)

Table 7. Global SiC MOSFET Module Revenue by Type (2018-2023) & (\$ million)

Table 8. Global SiC MOSFET Module Revenue Market Share by Type (2018-2023)

Table 9. Global SiC MOSFET Module Sale Price by Type (2018-2023) & (US\$/Unit)

Table 10. Global SiC MOSFET Module Sales by Application (2018-2023) & (K Units)

Table 11. Global SiC MOSFET Module Sales Market Share by Application (2018-2023)

Table 12. Global SiC MOSFET Module Revenue by Application (2018-2023)

Table 13. Global SiC MOSFET Module Revenue Market Share by Application (2018-2023)

Table 14. Global SiC MOSFET Module Sale Price by Application (2018-2023) & (US\$/Unit)

Table 15. Global SiC MOSFET Module Sales by Company (2018-2023) & (K Units)

Table 16. Global SiC MOSFET Module Sales Market Share by Company (2018-2023)

Table 17. Global SiC MOSFET Module Revenue by Company (2018-2023) (\$ Millions)

Table 18. Global SiC MOSFET Module Revenue Market Share by Company (2018-2023)

Table 19. Global SiC MOSFET Module Sale Price by Company (2018-2023) & (US\$/Unit)

Table 20. Key Manufacturers SiC MOSFET Module Producing Area Distribution and Sales Area

Table 21. Players SiC MOSFET Module Products Offered

Table 22. SiC MOSFET Module Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global SiC MOSFET Module Sales by Geographic Region (2018-2023) & (K Units)

Table 26. Global SiC MOSFET Module Sales Market Share Geographic Region

(2018-2023)

Table 27. Global SiC MOSFET Module Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 28. Global SiC MOSFET Module Revenue Market Share by Geographic Region (2018-2023)

Table 29. Global SiC MOSFET Module Sales by Country/Region (2018-2023) & (K Units)

Table 30. Global SiC MOSFET Module Sales Market Share by Country/Region (2018-2023)

Table 31. Global SiC MOSFET Module Revenue by Country/Region (2018-2023) & (\$ millions)

Table 32. Global SiC MOSFET Module Revenue Market Share by Country/Region (2018-2023)

Table 33. Americas SiC MOSFET Module Sales by Country (2018-2023) & (K Units)

Table 34. Americas SiC MOSFET Module Sales Market Share by Country (2018-2023)

Table 35. Americas SiC MOSFET Module Revenue by Country (2018-2023) & (\$ Millions)

Table 36. Americas SiC MOSFET Module Revenue Market Share by Country (2018-2023)

Table 37. Americas SiC MOSFET Module Sales by Type (2018-2023) & (K Units)

Table 38. Americas SiC MOSFET Module Sales by Application (2018-2023) & (K Units)

Table 39. APAC SiC MOSFET Module Sales by Region (2018-2023) & (K Units)

Table 40. APAC SiC MOSFET Module Sales Market Share by Region (2018-2023)

Table 41. APAC SiC MOSFET Module Revenue by Region (2018-2023) & (\$ Millions)

Table 42. APAC SiC MOSFET Module Revenue Market Share by Region (2018-2023)

Table 43. APAC SiC MOSFET Module Sales by Type (2018-2023) & (K Units)

Table 44. APAC SiC MOSFET Module Sales by Application (2018-2023) & (K Units)

Table 45. Europe SiC MOSFET Module Sales by Country (2018-2023) & (K Units)

Table 46. Europe SiC MOSFET Module Sales Market Share by Country (2018-2023)

Table 47. Europe SiC MOSFET Module Revenue by Country (2018-2023) & (\$ Millions)

Table 48. Europe SiC MOSFET Module Revenue Market Share by Country (2018-2023)

Table 49. Europe SiC MOSFET Module Sales by Type (2018-2023) & (K Units)

Table 50. Europe SiC MOSFET Module Sales by Application (2018-2023) & (K Units)

Table 51. Middle East & Africa SiC MOSFET Module Sales by Country (2018-2023) & (K Units)

Table 52. Middle East & Africa SiC MOSFET Module Sales Market Share by Country (2018-2023)

Table 53. Middle East & Africa SiC MOSFET Module Revenue by Country (2018-2023) & (\$ Millions)

Table 54. Middle East & Africa SiC MOSFET Module Revenue Market Share by Country (2018-2023)

Table 55. Middle East & Africa SiC MOSFET Module Sales by Type (2018-2023) & (K Units)

Table 56. Middle East & Africa SiC MOSFET Module Sales by Application (2018-2023) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of SiC MOSFET Module

Table 58. Key Market Challenges & Risks of SiC MOSFET Module

Table 59. Key Industry Trends of SiC MOSFET Module

Table 60. SiC MOSFET Module Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. SiC MOSFET Module Distributors List

Table 63. SiC MOSFET Module Customer List

Table 64. Global SiC MOSFET Module Sales Forecast by Region (2024-2029) & (K Units)

Table 65. Global SiC MOSFET Module Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 66. Americas SiC MOSFET Module Sales Forecast by Country (2024-2029) & (K Units)

Table 67. Americas SiC MOSFET Module Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 68. APAC SiC MOSFET Module Sales Forecast by Region (2024-2029) & (K Units)

Table 69. APAC SiC MOSFET Module Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 70. Europe SiC MOSFET Module Sales Forecast by Country (2024-2029) & (K Units)

Table 71. Europe SiC MOSFET Module Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 72. Middle East & Africa SiC MOSFET Module Sales Forecast by Country (2024-2029) & (K Units)

Table 73. Middle East & Africa SiC MOSFET Module Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 74. Global SiC MOSFET Module Sales Forecast by Type (2024-2029) & (K Units)

Table 75. Global SiC MOSFET Module Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 76. Global SiC MOSFET Module Sales Forecast by Application (2024-2029) & (K Units)

Table 77. Global SiC MOSFET Module Revenue Forecast by Application (2024-2029) &

(\$ Millions)

Table 78. STMicroelectronics Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 79. STMicroelectronics SiC MOSFET Module Product Portfolios and Specifications

Table 80. STMicroelectronics SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 81. STMicroelectronics Main Business

Table 82. STMicroelectronics Latest Developments

Table 83. ROHM CO., LTD. Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 84. ROHM CO., LTD. SiC MOSFET Module Product Portfolios and Specifications

Table 85. ROHM CO., LTD. SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 86. ROHM CO., LTD. Main Business

Table 87. ROHM CO., LTD. Latest Developments

Table 88. Starpower Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 89. Starpower SiC MOSFET Module Product Portfolios and Specifications

Table 90. Starpower SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 91. Starpower Main Business

Table 92. Starpower Latest Developments

Table 93. Wolfspeed Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 94. Wolfspeed SiC MOSFET Module Product Portfolios and Specifications

Table 95. Wolfspeed SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 96. Wolfspeed Main Business

Table 97. Wolfspeed Latest Developments

Table 98. Infineon Technologies Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 99. Infineon Technologies SiC MOSFET Module Product Portfolios and Specifications

Table 100. Infineon Technologies SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 101. Infineon Technologies Main Business

Table 102. Infineon Technologies Latest Developments

Table 103. ON Semiconductor Basic Information, SiC MOSFET Module Manufacturing

Base, Sales Area and Its Competitors

Table 104. ON Semiconductor SiC MOSFET Module Product Portfolios and Specifications

Table 105. ON Semiconductor SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 106. ON Semiconductor Main Business

Table 107. ON Semiconductor Latest Developments

Table 108. Littelfuse Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 109. Littelfuse SiC MOSFET Module Product Portfolios and Specifications

Table 110. Littelfuse SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 111. Littelfuse Main Business

Table 112. Littelfuse Latest Developments

Table 113. Microchip Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 114. Microchip SiC MOSFET Module Product Portfolios and Specifications

Table 115. Microchip SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 116. Microchip Main Business

Table 117. Microchip Latest Developments

Table 118. Mitsubishi Electric Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 119. Mitsubishi Electric SiC MOSFET Module Product Portfolios and Specifications

Table 120. Mitsubishi Electric SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 121. Mitsubishi Electric Main Business

Table 122. Mitsubishi Electric Latest Developments

Table 123. GeneSiC Semiconductor Inc. Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 124. GeneSiC Semiconductor Inc. SiC MOSFET Module Product Portfolios and Specifications

Table 125. GeneSiC Semiconductor Inc. SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 126. GeneSiC Semiconductor Inc. Main Business

Table 127. GeneSiC Semiconductor Inc. Latest Developments

Table 128. Shenzhen BASiC Semiconductor LTD Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 129. Shenzhen BASiC Semiconductor LTD SiC MOSFET Module Product Portfolios and Specifications

Table 130. Shenzhen BASiC Semiconductor LTD SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 131. Shenzhen BASiC Semiconductor LTD Main Business

Table 132. Shenzhen BASiC Semiconductor LTD Latest Developments

Table 133. Imperix Basic Information, SiC MOSFET Module Manufacturing Base, Sales Area and Its Competitors

Table 134. Imperix SiC MOSFET Module Product Portfolios and Specifications

Table 135. Imperix SiC MOSFET Module Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 136. Imperix Main Business

Table 137. Imperix Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of SiC MOSFET Module
- Figure 2. SiC MOSFET Module Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global SiC MOSFET Module Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global SiC MOSFET Module Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. SiC MOSFET Module Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Full Silicon Carbide Modules
- Figure 10. Product Picture of Hybrid Silicon Carbide Modules
- Figure 11. Global SiC MOSFET Module Sales Market Share by Type in 2022
- Figure 12. Global SiC MOSFET Module Revenue Market Share by Type (2018-2023)
- Figure 13. SiC MOSFET Module Consumed in Industrial
- Figure 14. Global SiC MOSFET Module Market: Industrial (2018-2023) & (K Units)
- Figure 15. SiC MOSFET Module Consumed in Automotive
- Figure 16. Global SiC MOSFET Module Market: Automotive (2018-2023) & (K Units)
- Figure 17. SiC MOSFET Module Consumed in Medical
- Figure 18. Global SiC MOSFET Module Market: Medical (2018-2023) & (K Units)
- Figure 19. SiC MOSFET Module Consumed in Aerospace and Defense
- Figure 20. Global SiC MOSFET Module Market: Aerospace and Defense (2018-2023) & (K Units)
- Figure 21. SiC MOSFET Module Consumed in Other Applications
- Figure 22. Global SiC MOSFET Module Market: Other Applications (2018-2023) & (K Units)
- Figure 23. Global SiC MOSFET Module Sales Market Share by Application (2022)
- Figure 24. Global SiC MOSFET Module Revenue Market Share by Application in 2022
- Figure 25. SiC MOSFET Module Sales Market by Company in 2022 (K Units)
- Figure 26. Global SiC MOSFET Module Sales Market Share by Company in 2022
- Figure 27. SiC MOSFET Module Revenue Market by Company in 2022 (\$ Million)
- Figure 28. Global SiC MOSFET Module Revenue Market Share by Company in 2022
- Figure 29. Global SiC MOSFET Module Sales Market Share by Geographic Region (2018-2023)
- Figure 30. Global SiC MOSFET Module Revenue Market Share by Geographic Region in 2022
- Figure 31. Americas SiC MOSFET Module Sales 2018-2023 (K Units)

- Figure 32. Americas SiC MOSFET Module Revenue 2018-2023 (\$ Millions)
- Figure 33. APAC SiC MOSFET Module Sales 2018-2023 (K Units)
- Figure 34. APAC SiC MOSFET Module Revenue 2018-2023 (\$ Millions)
- Figure 35. Europe SiC MOSFET Module Sales 2018-2023 (K Units)
- Figure 36. Europe SiC MOSFET Module Revenue 2018-2023 (\$ Millions)
- Figure 37. Middle East & Africa SiC MOSFET Module Sales 2018-2023 (K Units)
- Figure 38. Middle East & Africa SiC MOSFET Module Revenue 2018-2023 (\$ Millions)
- Figure 39. Americas SiC MOSFET Module Sales Market Share by Country in 2022
- Figure 40. Americas SiC MOSFET Module Revenue Market Share by Country in 2022
- Figure 41. Americas SiC MOSFET Module Sales Market Share by Type (2018-2023)
- Figure 42. Americas SiC MOSFET Module Sales Market Share by Application (2018-2023)
- Figure 43. United States SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 44. Canada SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 45. Mexico SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 46. Brazil SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 47. APAC SiC MOSFET Module Sales Market Share by Region in 2022
- Figure 48. APAC SiC MOSFET Module Revenue Market Share by Regions in 2022
- Figure 49. APAC SiC MOSFET Module Sales Market Share by Type (2018-2023)
- Figure 50. APAC SiC MOSFET Module Sales Market Share by Application (2018-2023)
- Figure 51. China SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 52. Japan SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 53. South Korea SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 54. Southeast Asia SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 55. India SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 56. Australia SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 57. China Taiwan SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 58. Europe SiC MOSFET Module Sales Market Share by Country in 2022
- Figure 59. Europe SiC MOSFET Module Revenue Market Share by Country in 2022
- Figure 60. Europe SiC MOSFET Module Sales Market Share by Type (2018-2023)
- Figure 61. Europe SiC MOSFET Module Sales Market Share by Application (2018-2023)
- Figure 62. Germany SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 63. France SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 64. UK SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 65. Italy SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 66. Russia SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)
- Figure 67. Middle East & Africa SiC MOSFET Module Sales Market Share by Country in

2022

Figure 68. Middle East & Africa SiC MOSFET Module Revenue Market Share by Country in 2022

Figure 69. Middle East & Africa SiC MOSFET Module Sales Market Share by Type (2018-2023)

Figure 70. Middle East & Africa SiC MOSFET Module Sales Market Share by Application (2018-2023)

Figure 71. Egypt SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)

Figure 72. South Africa SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)

Figure 73. Israel SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Turkey SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)

Figure 75. GCC Country SiC MOSFET Module Revenue Growth 2018-2023 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of SiC MOSFET Module in 2022

Figure 77. Manufacturing Process Analysis of SiC MOSFET Module

Figure 78. Industry Chain Structure of SiC MOSFET Module

Figure 79. Channels of Distribution

Figure 80. Global SiC MOSFET Module Sales Market Forecast by Region (2024-2029)

Figure 81. Global SiC MOSFET Module Revenue Market Share Forecast by Region (2024-2029)

Figure 82. Global SiC MOSFET Module Sales Market Share Forecast by Type (2024-2029)

Figure 83. Global SiC MOSFET Module Revenue Market Share Forecast by Type (2024-2029)

Figure 84. Global SiC MOSFET Module Sales Market Share Forecast by Application (2024-2029)

Figure 85. Global SiC MOSFET Module Revenue Market Share Forecast by Application (2024-2029)

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