

Global GaN and SiC Power Semiconductor Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/GF718C8CD771EN.html>

Date: February 2026

Pages: 202

Price: US\$ 2,980.00 (Single User License)

ID: GF718C8CD771EN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on GaN and SiC Power Semiconductor competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. This report studies the GaN Power Devices and SiC Power Devices. In terms of market size, currently, GaN power devices are about one-tenth of SiC power devices. Gallium nitride (GaN) is used as the wide band gap material for next generation power semiconductors and high frequency devices. SiC (silicon carbide) is a compound semiconductor composed of silicon and carbide. SiC provides a number of advantages over silicon, including 10x the breakdown electric field strength, 3x the band gap, and enabling a wider range of p- and n-type control required for device construction. Silicon Carbide (SiC) devices are widely used in automotive, EV charging, industrial motor/drive, PV, energy storage, wind power, UPS, data center & server and rail transport, etc. In automotive, SiC power devices are mainly used in automotive main inverter, on-board chargers (OBC) and DC/DC converter. and the SiC power devices market was dominated by STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor. SiC Power Devices are mainly used in Automotive Main Inverter, On-Board Chargers and DC/DC Converter. and the SiC power devices market was dominated by STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor. GaN power devices have grown rapidly in recent years, and a large number of companies have gradually entered the industry. GaN power devices are currently mainly used in consumer electronics, such as mobile phone fast charging, adapters, etc. In the automotive, the entry point of GaN power devices is the on-board charger (OBC). Currently, the GaN power devices are dominated by Innoscience, Infineon (GaN Systems), Power Integrations, Inc., Navitas Semiconductor, Efficient Power Conversion Corporation (EPC), and Renesas Electronics (Transphorm), among

which Innoscience is the world's largest GaN power device manufacturer. The global GaN Power Devices market size was US\$ 406 million in 2024 and is forecast to a readjusted size of US\$ 2,245 million by 2031 with a CAGR of 25.6% during the forecast period 2025-2031. The global SiC Power Devices market size was US\$ 4.87 billion in 2024 and is forecast to a readjusted size of US\$ 18.8 billion by 2031 with a CAGR of 20.5% during the forecast period 2025-2031. The North America GaN and SiC Power Semiconductor market size was US\$ 1,039 million in 2024, while China was US\$ 2,584 million. The proportion of the North America was 19.69% in 2024, while China percentage was 48.9%, and it is predicted that China share will reach 61.1% in 2031, trailing a CAGR of 24.53 % through the analysis period. The global key manufacturers of GaN Power Devices include Infineon (GaN Systems), Navitas (GeneSiC), Innoscience, Power Integrations, Inc., Renesas Electronics (Transphorm), Efficient Power Conversion Corporation (EPC), etc. In 2024, the global top five players occupied for a share approximately 88% in terms of revenue. The global key manufacturers of SiC Power Devices include onsemi, STMicroelectronics, Infineon, Wolfspeed, BYD Semiconductor, Bosch, United Nova Technology, Navitas (GeneSiC), Guangdong AccoPower Semiconductor, Rohm, San'an Optoelectronics, etc.,. In 2024, the global top seven players occupied for a share approximately 85% in terms of revenue. Automotive is the largest market, holds a share about 81% in 2024, it is prejected that Automotive will reach 83.6% in 2031. In North America, in terms of sales volume, in 2024, the top five players hold a share about 76%, while in China, top five players hold a share nearly 62.9%.

The global GaN and SiC Power Semiconductor market size was estimated at USD 5279.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 21.00% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global GaN and SiC Power Semiconductor market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global GaN and

SiC Power Semiconductor market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the GaN and SiC Power Semiconductor market.

Global GaN and SiC Power Semiconductor Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

onsemi
STMicroelectronics
Infineon (GaN Systems)
Wolfspeed
BYD Semiconductor
Bosch
United Nova Technology
Innoscence
Navitas (GeneSiC)
Guangdong AccoPower Semiconductor
Rohm
San'an Optoelectronics
Efficient Power Conversion Corporation (EPC)

Power Integrations, Inc.
Semikron Danfoss
Mitsubishi Electric
BASiC Semiconductor
Fuji Electric
SemiQ
PN Junction Semiconductor (Hangzhou)
Zhuzhou CRRC Times Electric
InventChip Technology
Microchip (Microsemi)
CETC 55
Toshiba
WeEn Semiconductors
Littelfuse (IXYS)
Renesas Electronics (Transphorm)
Yangzhou Yangjie Electronic Technology
Vishay Intertechnology

Market Segmentation (by Type)

SiC Power Devices
GaN Power Devices

Market Segmentation (by Application)

Automotive & Mobility
EV Charging
Consumer Electronics
Industrial Motor/Drive
PV, Energy Storage, Wind Power
UPS, Data Center & Server
Rail Transport
Defense & Aerospace
Others

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 GaN and SiC Power Semiconductor Market
Overview of the regional outlook of the GaN and SiC Power Semiconductor Market:

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 GaN and SiC Power Semiconductor Market and its likely evolution in the short to mid-term, and long term.

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

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

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

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

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

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

Chapter 9 shares the main producing countries of GaN and SiC Power Semiconductor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

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 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.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of GaN and SiC Power Semiconductor

1.2 Key Market Segments

1.2.1 GaN and SiC Power Semiconductor Segment by Type

1.2.2 GaN and SiC Power Semiconductor Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 GAN AND SIC POWER SEMICONDUCTOR MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global GaN and SiC Power Semiconductor Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global GaN and SiC Power Semiconductor Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 GAN AND SIC POWER SEMICONDUCTOR MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global GaN and SiC Power Semiconductor Product Life Cycle

3.3 Global GaN and SiC Power Semiconductor Sales by Manufacturers (2020-2025)

3.4 Global GaN and SiC Power Semiconductor Revenue Market Share by Manufacturers (2020-2025)

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

3.6 Global GaN and SiC Power Semiconductor Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 GaN and SiC Power Semiconductor Market Competitive Situation and Trends

3.8.1 GaN and SiC Power Semiconductor Market Concentration Rate

3.8.2 Global 5 and 10 Largest GaN and SiC Power Semiconductor Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 GAN AND SIC POWER SEMICONDUCTOR INDUSTRY CHAIN ANALYSIS

4.1 GaN and SiC Power Semiconductor Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF GAN AND SIC POWER SEMICONDUCTOR MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global GaN and SiC Power Semiconductor Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to GaN and SiC Power Semiconductor Market

5.7 ESG Ratings of Leading Companies

6 GAN AND SIC POWER SEMICONDUCTOR MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global GaN and SiC Power Semiconductor Sales Market Share by Type (2020-2025)

6.3 Global GaN and SiC Power Semiconductor Market Size by Type (2020-2025)

6.4 Global GaN and SiC Power Semiconductor Price by Type (2020-2025)

7 GAN AND SIC POWER SEMICONDUCTOR MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global GaN and SiC Power Semiconductor Market Sales by Application (2020-2025)

7.3 Global GaN and SiC Power Semiconductor Market Size (M USD) by Application (2020-2025)

7.4 Global GaN and SiC Power Semiconductor Sales Growth Rate by Application (2020-2025)

8 GAN AND SIC POWER SEMICONDUCTOR MARKET SALES BY REGION

8.1 Global GaN and SiC Power Semiconductor Sales by Region

8.1.1 Global GaN and SiC Power Semiconductor Sales by Region

8.1.2 Global GaN and SiC Power Semiconductor Sales Market Share by Region

8.2 Global GaN and SiC Power Semiconductor Market Size by Region

8.2.1 Global GaN and SiC Power Semiconductor Market Size by Region

8.2.2 Global GaN and SiC Power Semiconductor Market Size by Region

8.3 North America

8.3.1 North America GaN and SiC Power Semiconductor Sales by Country

8.3.2 North America GaN and SiC Power Semiconductor Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe GaN and SiC Power Semiconductor Sales by Country

8.4.2 Europe GaN and SiC Power Semiconductor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific GaN and SiC Power Semiconductor Sales by Region

8.5.2 Asia Pacific GaN and SiC Power Semiconductor Market Size by Region

- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview

8.6 South America

- 8.6.1 South America GaN and SiC Power Semiconductor Sales by Country
- 8.6.2 South America GaN and SiC Power Semiconductor Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview

8.7 Middle East and Africa

- 8.7.1 Middle East and Africa GaN and SiC Power Semiconductor Sales by Region
- 8.7.2 Middle East and Africa GaN and SiC Power Semiconductor Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

9 GAN AND SIC POWER SEMICONDUCTOR MARKET PRODUCTION BY REGION

9.1 Global Production of GaN and SiC Power Semiconductor by Region(2020-2025)

9.2 Global GaN and SiC Power Semiconductor Revenue Market Share by Region (2020-2025)

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

9.4 North America GaN and SiC Power Semiconductor Production

9.4.1 North America GaN and SiC Power Semiconductor Production Growth Rate (2020-2025)

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

9.5 Europe GaN and SiC Power Semiconductor Production

9.5.1 Europe GaN and SiC Power Semiconductor Production Growth Rate (2020-2025)

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

9.6 Japan GaN and SiC Power Semiconductor Production (2020-2025)

- 9.6.1 Japan GaN and SiC Power Semiconductor Production Growth Rate (2020-2025)
- 9.6.2 Japan GaN and SiC Power Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China GaN and SiC Power Semiconductor Production (2020-2025)
 - 9.7.1 China GaN and SiC Power Semiconductor Production Growth Rate (2020-2025)
 - 9.7.2 China GaN and SiC Power Semiconductor Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 onsemi

- 10.1.1 onsemi Basic Information
- 10.1.2 onsemi GaN and SiC Power Semiconductor Product Overview
- 10.1.3 onsemi GaN and SiC Power Semiconductor Product Market Performance
- 10.1.4 onsemi Business Overview
- 10.1.5 onsemi SWOT Analysis
- 10.1.6 onsemi Recent Developments

10.2 STMicroelectronics

- 10.2.1 STMicroelectronics Basic Information
- 10.2.2 STMicroelectronics GaN and SiC Power Semiconductor Product Overview
- 10.2.3 STMicroelectronics GaN and SiC Power Semiconductor Product Market Performance
- 10.2.4 STMicroelectronics Business Overview
- 10.2.5 STMicroelectronics SWOT Analysis
- 10.2.6 STMicroelectronics Recent Developments

10.3 Infineon (GaN Systems)

- 10.3.1 Infineon (GaN Systems) Basic Information
- 10.3.2 Infineon (GaN Systems) GaN and SiC Power Semiconductor Product Overview
- 10.3.3 Infineon (GaN Systems) GaN and SiC Power Semiconductor Product Market Performance
- 10.3.4 Infineon (GaN Systems) Business Overview
- 10.3.5 Infineon (GaN Systems) SWOT Analysis
- 10.3.6 Infineon (GaN Systems) Recent Developments

10.4 Wolfspeed

- 10.4.1 Wolfspeed Basic Information
- 10.4.2 Wolfspeed GaN and SiC Power Semiconductor Product Overview
- 10.4.3 Wolfspeed GaN and SiC Power Semiconductor Product Market Performance
- 10.4.4 Wolfspeed Business Overview
- 10.4.5 Wolfspeed Recent Developments

10.5 BYD Semiconductor

10.5.1 BYD Semiconductor Basic Information

10.5.2 BYD Semiconductor GaN and SiC Power Semiconductor Product Overview

10.5.3 BYD Semiconductor GaN and SiC Power Semiconductor Product Market

Performance

10.5.4 BYD Semiconductor Business Overview

10.5.5 BYD Semiconductor Recent Developments

10.6 Bosch

10.6.1 Bosch Basic Information

10.6.2 Bosch GaN and SiC Power Semiconductor Product Overview

10.6.3 Bosch GaN and SiC Power Semiconductor Product Market Performance

10.6.4 Bosch Business Overview

10.6.5 Bosch Recent Developments

10.7 United Nova Technology

10.7.1 United Nova Technology Basic Information

10.7.2 United Nova Technology GaN and SiC Power Semiconductor Product Overview

10.7.3 United Nova Technology GaN and SiC Power Semiconductor Product Market

Performance

10.7.4 United Nova Technology Business Overview

10.7.5 United Nova Technology Recent Developments

10.8 Innoscience

10.8.1 Innoscience Basic Information

10.8.2 Innoscience GaN and SiC Power Semiconductor Product Overview

10.8.3 Innoscience GaN and SiC Power Semiconductor Product Market Performance

10.8.4 Innoscience Business Overview

10.8.5 Innoscience Recent Developments

10.9 Navitas (GeneSiC)

10.9.1 Navitas (GeneSiC) Basic Information

10.9.2 Navitas (GeneSiC) GaN and SiC Power Semiconductor Product Overview

10.9.3 Navitas (GeneSiC) GaN and SiC Power Semiconductor Product Market

Performance

10.9.4 Navitas (GeneSiC) Business Overview

10.9.5 Navitas (GeneSiC) Recent Developments

10.10 Guangdong AccoPower Semiconductor

10.10.1 Guangdong AccoPower Semiconductor Basic Information

10.10.2 Guangdong AccoPower Semiconductor GaN and SiC Power Semiconductor Product Overview

10.10.3 Guangdong AccoPower Semiconductor GaN and SiC Power Semiconductor Product Market Performance

- 10.10.4 Guangdong AccoPower Semiconductor Business Overview
- 10.10.5 Guangdong AccoPower Semiconductor Recent Developments
- 10.11 Rohm
 - 10.11.1 Rohm Basic Information
 - 10.11.2 Rohm GaN and SiC Power Semiconductor Product Overview
 - 10.11.3 Rohm GaN and SiC Power Semiconductor Product Market Performance
 - 10.11.4 Rohm Business Overview
 - 10.11.5 Rohm Recent Developments
- 10.12 San'an Optoelectronics
 - 10.12.1 San'an Optoelectronics Basic Information
 - 10.12.2 San'an Optoelectronics GaN and SiC Power Semiconductor Product Overview
 - 10.12.3 San'an Optoelectronics GaN and SiC Power Semiconductor Product Market Performance
 - 10.12.4 San'an Optoelectronics Business Overview
 - 10.12.5 San'an Optoelectronics Recent Developments
- 10.13 Efficient Power Conversion Corporation (EPC)
 - 10.13.1 Efficient Power Conversion Corporation (EPC) Basic Information
 - 10.13.2 Efficient Power Conversion Corporation (EPC) GaN and SiC Power Semiconductor Product Overview
 - 10.13.3 Efficient Power Conversion Corporation (EPC) GaN and SiC Power Semiconductor Product Market Performance
 - 10.13.4 Efficient Power Conversion Corporation (EPC) Business Overview
 - 10.13.5 Efficient Power Conversion Corporation (EPC) Recent Developments
- 10.14 Power Integrations, Inc.
 - 10.14.1 Power Integrations, Inc. Basic Information
 - 10.14.2 Power Integrations, Inc. GaN and SiC Power Semiconductor Product Overview
 - 10.14.3 Power Integrations, Inc. GaN and SiC Power Semiconductor Product Market Performance
 - 10.14.4 Power Integrations, Inc. Business Overview
 - 10.14.5 Power Integrations, Inc. Recent Developments
- 10.15 Semikron Danfoss
 - 10.15.1 Semikron Danfoss Basic Information
 - 10.15.2 Semikron Danfoss GaN and SiC Power Semiconductor Product Overview
 - 10.15.3 Semikron Danfoss GaN and SiC Power Semiconductor Product Market Performance
 - 10.15.4 Semikron Danfoss Business Overview
 - 10.15.5 Semikron Danfoss Recent Developments
- 10.16 Mitsubishi Electric

- 10.16.1 Mitsubishi Electric Basic Information
- 10.16.2 Mitsubishi Electric GaN and SiC Power Semiconductor Product Overview
- 10.16.3 Mitsubishi Electric GaN and SiC Power Semiconductor Product Market Performance
- 10.16.4 Mitsubishi Electric Business Overview
- 10.16.5 Mitsubishi Electric Recent Developments
- 10.17 BASiC Semiconductor
 - 10.17.1 BASiC Semiconductor Basic Information
 - 10.17.2 BASiC Semiconductor GaN and SiC Power Semiconductor Product Overview
 - 10.17.3 BASiC Semiconductor GaN and SiC Power Semiconductor Product Market Performance
 - 10.17.4 BASiC Semiconductor Business Overview
 - 10.17.5 BASiC Semiconductor Recent Developments
- 10.18 Fuji Electric
 - 10.18.1 Fuji Electric Basic Information
 - 10.18.2 Fuji Electric GaN and SiC Power Semiconductor Product Overview
 - 10.18.3 Fuji Electric GaN and SiC Power Semiconductor Product Market Performance
 - 10.18.4 Fuji Electric Business Overview
 - 10.18.5 Fuji Electric Recent Developments
- 10.19 SemiQ
 - 10.19.1 SemiQ Basic Information
 - 10.19.2 SemiQ GaN and SiC Power Semiconductor Product Overview
 - 10.19.3 SemiQ GaN and SiC Power Semiconductor Product Market Performance
 - 10.19.4 SemiQ Business Overview
 - 10.19.5 SemiQ Recent Developments
- 10.20 PN Junction Semiconductor (Hangzhou)
 - 10.20.1 PN Junction Semiconductor (Hangzhou) Basic Information
 - 10.20.2 PN Junction Semiconductor (Hangzhou) GaN and SiC Power Semiconductor Product Overview
 - 10.20.3 PN Junction Semiconductor (Hangzhou) GaN and SiC Power Semiconductor Product Market Performance
 - 10.20.4 PN Junction Semiconductor (Hangzhou) Business Overview
 - 10.20.5 PN Junction Semiconductor (Hangzhou) Recent Developments
- 10.21 Zhuzhou CRRC Times Electric
 - 10.21.1 Zhuzhou CRRC Times Electric Basic Information
 - 10.21.2 Zhuzhou CRRC Times Electric GaN and SiC Power Semiconductor Product Overview
 - 10.21.3 Zhuzhou CRRC Times Electric GaN and SiC Power Semiconductor Product Market Performance

- 10.21.4 Zhuzhou CRRC Times Electric Business Overview
- 10.21.5 Zhuzhou CRRC Times Electric Recent Developments
- 10.22 InventChip Technology
 - 10.22.1 InventChip Technology Basic Information
 - 10.22.2 InventChip Technology GaN and SiC Power Semiconductor Product Overview
 - 10.22.3 InventChip Technology GaN and SiC Power Semiconductor Product Market Performance
 - 10.22.4 InventChip Technology Business Overview
 - 10.22.5 InventChip Technology Recent Developments
- 10.23 Microchip (Microsemi)
 - 10.23.1 Microchip (Microsemi) Basic Information
 - 10.23.2 Microchip (Microsemi) GaN and SiC Power Semiconductor Product Overview
 - 10.23.3 Microchip (Microsemi) GaN and SiC Power Semiconductor Product Market Performance
 - 10.23.4 Microchip (Microsemi) Business Overview
 - 10.23.5 Microchip (Microsemi) Recent Developments
- 10.24 CETC
 - 10.24.1 CETC 55 Basic Information
 - 10.24.2 CETC 55 GaN and SiC Power Semiconductor Product Overview
 - 10.24.3 CETC 55 GaN and SiC Power Semiconductor Product Market Performance
 - 10.24.4 CETC 55 Business Overview
 - 10.24.5 CETC 55 Recent Developments
- 10.25 Toshiba
 - 10.25.1 Toshiba Basic Information
 - 10.25.2 Toshiba GaN and SiC Power Semiconductor Product Overview
 - 10.25.3 Toshiba GaN and SiC Power Semiconductor Product Market Performance
 - 10.25.4 Toshiba Business Overview
 - 10.25.5 Toshiba Recent Developments
- 10.26 WeEn Semiconductors
 - 10.26.1 WeEn Semiconductors Basic Information
 - 10.26.2 WeEn Semiconductors GaN and SiC Power Semiconductor Product Overview
 - 10.26.3 WeEn Semiconductors GaN and SiC Power Semiconductor Product Market Performance
 - 10.26.4 WeEn Semiconductors Business Overview
 - 10.26.5 WeEn Semiconductors Recent Developments
- 10.27 Littelfuse (IXYS)
 - 10.27.1 Littelfuse (IXYS) Basic Information
 - 10.27.2 Littelfuse (IXYS) GaN and SiC Power Semiconductor Product Overview
 - 10.27.3 Littelfuse (IXYS) GaN and SiC Power Semiconductor Product Market

Performance

10.27.4 Littelfuse (IXYS) Business Overview

10.27.5 Littelfuse (IXYS) Recent Developments

10.28 Renesas Electronics (Transphorm)

10.28.1 Renesas Electronics (Transphorm) Basic Information

10.28.2 Renesas Electronics (Transphorm) GaN and SiC Power Semiconductor

Product Overview

10.28.3 Renesas Electronics (Transphorm) GaN and SiC Power Semiconductor

Product Market Performance

10.28.4 Renesas Electronics (Transphorm) Business Overview

10.28.5 Renesas Electronics (Transphorm) Recent Developments

10.29 Yangzhou Yangjie Electronic Technology

10.29.1 Yangzhou Yangjie Electronic Technology Basic Information

10.29.2 Yangzhou Yangjie Electronic Technology GaN and SiC Power Semiconductor

Product Overview

10.29.3 Yangzhou Yangjie Electronic Technology GaN and SiC Power Semiconductor

Product Market Performance

10.29.4 Yangzhou Yangjie Electronic Technology Business Overview

10.29.5 Yangzhou Yangjie Electronic Technology Recent Developments

10.30 Vishay Intertechnology

10.30.1 Vishay Intertechnology Basic Information

10.30.2 Vishay Intertechnology GaN and SiC Power Semiconductor Product Overview

10.30.3 Vishay Intertechnology GaN and SiC Power Semiconductor Product Market

Performance

10.30.4 Vishay Intertechnology Business Overview

10.30.5 Vishay Intertechnology Recent Developments

11 GAN AND SiC POWER SEMICONDUCTOR MARKET FORECAST BY REGION

11.1 Global GaN and SiC Power Semiconductor Market Size Forecast

11.2 Global GaN and SiC Power Semiconductor Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe GaN and SiC Power Semiconductor Market Size Forecast by Country

11.2.3 Asia Pacific GaN and SiC Power Semiconductor Market Size Forecast by

Region

11.2.4 South America GaN and SiC Power Semiconductor Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of GaN and SiC Power Semiconductor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global GaN and SiC Power Semiconductor Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of GaN and SiC Power Semiconductor by Type (2026-2035)

12.1.2 Global GaN and SiC Power Semiconductor Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of GaN and SiC Power Semiconductor by Type (2026-2035)

12.2 Global GaN and SiC Power Semiconductor Market Forecast by Application (2026-2035)

12.2.1 Global GaN and SiC Power Semiconductor Sales (K Units) Forecast by Application

12.2.2 Global GaN and SiC Power Semiconductor Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global GaN and SiC Power Semiconductor Market Size by Type (M USD)

Table 4. Global GaN and SiC Power Semiconductor Market Size by Application

Table 5. GaN and SiC Power Semiconductor Market Size Comparison by Region (M USD)

Table 6. Global GaN and SiC Power Semiconductor Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global GaN and SiC Power Semiconductor Sales Market Share by Manufacturers (2020-2025)

Table 8. Global GaN and SiC Power Semiconductor Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global GaN and SiC Power Semiconductor Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in GaN and SiC Power Semiconductor as of 2025)

Table 11. Global Market GaN and SiC Power Semiconductor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global GaN and SiC Power Semiconductor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. GaN and SiC Power Semiconductor Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global GaN and SiC Power Semiconductor Sales by Type (K Units)

Table 27. Global GaN and SiC Power Semiconductor Market Size by Type (M USD)

Table 28. Global GaN and SiC Power Semiconductor Sales (K Units) by Type
(2020-2025)

Table 29. Global GaN and SiC Power Semiconductor Sales Market Share by Type
(2020-2025)

Table 30. Global GaN and SiC Power Semiconductor Market Size (M USD) by Type
(2020-2025)

Table 31. Global GaN and SiC Power Semiconductor Market Share by Type
(2020-2025)

Table 32. Global GaN and SiC Power Semiconductor Price (USD/Unit) by Type
(2020-2025)

Table 33. Global GaN and SiC Power Semiconductor Sales (K Units) by Application

Table 34. Global GaN and SiC Power Semiconductor Market Size by Application

Table 35. Global GaN and SiC Power Semiconductor Sales by Application (2020-2025)
& (K Units)

Table 36. Global GaN and SiC Power Semiconductor Sales Market Share by
Application (2020-2025)

Table 37. Global GaN and SiC Power Semiconductor Market Size by Application
(2020-2025) & (M USD)

Table 38. Global GaN and SiC Power Semiconductor Market Share by Application
(2020-2025)

Table 39. Global GaN and SiC Power Semiconductor Sales Growth Rate by Application
(2020-2025)

Table 40. Global GaN and SiC Power Semiconductor Sales by Region (2020-2025) &
(K Units)

Table 41. Global GaN and SiC Power Semiconductor Sales Market Share by Region
(2020-2025)

Table 42. Global GaN and SiC Power Semiconductor Market Size by Region
(2020-2025) & (M USD)

Table 43. Global GaN and SiC Power Semiconductor Market Size by Region
(2020-2025)

Table 44. North America GaN and SiC Power Semiconductor Sales by Country
(2020-2025) & (K Units)

Table 45. North America GaN and SiC Power Semiconductor Market Size by Country
(2020-2025) & (M USD)

Table 46. Europe GaN and SiC Power Semiconductor Sales by Country (2020-2025) &
(K Units)

Table 47. Europe GaN and SiC Power Semiconductor Market Size by Country
(2020-2025) & (M USD)

Table 48. Asia Pacific GaN and SiC Power Semiconductor Sales by Region (2020-2025) & (K Units)
Table 49. Asia Pacific GaN and SiC Power Semiconductor Market Size by Region (2020-2025) & (M USD)
Table 50. South America GaN and SiC Power Semiconductor Sales by Country (2020-2025) & (K Units)
Table 51. South America GaN and SiC Power Semiconductor Market Size by Country (2020-2025) & (M USD)
Table 52. Middle East and Africa GaN and SiC Power Semiconductor Sales by Region (2020-2025) & (K Units)
Table 53. Middle East and Africa GaN and SiC Power Semiconductor Market Size by Region (2020-2025) & (M USD)
Table 54. Global GaN and SiC Power Semiconductor Production (K Units) by Region(2020-2025)
Table 55. Global GaN and SiC Power Semiconductor Revenue (US\$ Million) by Region (2020-2025)
Table 56. Global GaN and SiC Power Semiconductor Revenue Market Share by Region (2020-2025)
Table 57. Global GaN and SiC Power Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 58. North America GaN and SiC Power Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 59. Europe GaN and SiC Power Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 60. Japan GaN and SiC Power Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 61. China GaN and SiC Power Semiconductor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 62. onsemi Basic Information
Table 63. onsemi GaN and SiC Power Semiconductor Product Overview
Table 64. onsemi GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 65. onsemi Business Overview
Table 66. onsemi SWOT Analysis
Table 67. onsemi Recent Developments
Table 68. STMicroelectronics Basic Information
Table 69. STMicroelectronics GaN and SiC Power Semiconductor Product Overview
Table 70. STMicroelectronics GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. STMicroelectronics Business Overview
Table 72. STMicroelectronics SWOT Analysis
Table 73. STMicroelectronics Recent Developments
Table 74. Infineon (GaN Systems) Basic Information
Table 75. Infineon (GaN Systems) GaN and SiC Power Semiconductor Product Overview
Table 76. Infineon (GaN Systems) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 77. Infineon (GaN Systems) Business Overview
Table 78. Infineon (GaN Systems) SWOT Analysis
Table 79. Infineon (GaN Systems) Recent Developments
Table 80. Wolfspeed Basic Information
Table 81. Wolfspeed GaN and SiC Power Semiconductor Product Overview
Table 82. Wolfspeed GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 83. Wolfspeed Business Overview
Table 84. Wolfspeed Recent Developments
Table 85. BYD Semiconductor Basic Information
Table 86. BYD Semiconductor GaN and SiC Power Semiconductor Product Overview
Table 87. BYD Semiconductor GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 88. BYD Semiconductor Business Overview
Table 89. BYD Semiconductor Recent Developments
Table 90. Bosch Basic Information
Table 91. Bosch GaN and SiC Power Semiconductor Product Overview
Table 92. Bosch GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 93. Bosch Business Overview
Table 94. Bosch Recent Developments
Table 95. United Nova Technology Basic Information
Table 96. United Nova Technology GaN and SiC Power Semiconductor Product Overview
Table 97. United Nova Technology GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 98. United Nova Technology Business Overview
Table 99. United Nova Technology Recent Developments
Table 100. Innoscience Basic Information
Table 101. Innoscience GaN and SiC Power Semiconductor Product Overview
Table 102. Innoscience GaN and SiC Power Semiconductor Sales (K Units), Revenue

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

Table 103. Innoscience Business Overview

Table 104. Innoscience Recent Developments

Table 105. Navitas (GeneSiC) Basic Information

Table 106. Navitas (GeneSiC) GaN and SiC Power Semiconductor Product Overview

Table 107. Navitas (GeneSiC) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Navitas (GeneSiC) Business Overview

Table 109. Navitas (GeneSiC) Recent Developments

Table 110. Guangdong AccoPower Semiconductor Basic Information

Table 111. Guangdong AccoPower Semiconductor GaN and SiC Power Semiconductor Product Overview

Table 112. Guangdong AccoPower Semiconductor GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Guangdong AccoPower Semiconductor Business Overview

Table 114. Guangdong AccoPower Semiconductor Recent Developments

Table 115. Rohm Basic Information

Table 116. Rohm GaN and SiC Power Semiconductor Product Overview

Table 117. Rohm GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. Rohm Business Overview

Table 119. Rohm Recent Developments

Table 120. San'an Optoelectronics Basic Information

Table 121. San'an Optoelectronics GaN and SiC Power Semiconductor Product Overview

Table 122. San'an Optoelectronics GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. San'an Optoelectronics Business Overview

Table 124. San'an Optoelectronics Recent Developments

Table 125. Efficient Power Conversion Corporation (EPC) Basic Information

Table 126. Efficient Power Conversion Corporation (EPC) GaN and SiC Power Semiconductor Product Overview

Table 127. Efficient Power Conversion Corporation (EPC) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Efficient Power Conversion Corporation (EPC) Business Overview

Table 129. Efficient Power Conversion Corporation (EPC) Recent Developments

Table 130. Power Integrations, Inc. Basic Information

Table 131. Power Integrations, Inc. GaN and SiC Power Semiconductor Product

Overview

Table 132. Power Integrations, Inc. GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 133. Power Integrations, Inc. Business Overview

Table 134. Power Integrations, Inc. Recent Developments

Table 135. Semikron Danfoss Basic Information

Table 136. Semikron Danfoss GaN and SiC Power Semiconductor Product Overview

Table 137. Semikron Danfoss GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 138. Semikron Danfoss Business Overview

Table 139. Semikron Danfoss Recent Developments

Table 140. Mitsubishi Electric Basic Information

Table 141. Mitsubishi Electric GaN and SiC Power Semiconductor Product Overview

Table 142. Mitsubishi Electric GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 143. Mitsubishi Electric Business Overview

Table 144. Mitsubishi Electric Recent Developments

Table 145. BASiC Semiconductor Basic Information

Table 146. BASiC Semiconductor GaN and SiC Power Semiconductor Product Overview

Table 147. BASiC Semiconductor GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 148. BASiC Semiconductor Business Overview

Table 149. BASiC Semiconductor Recent Developments

Table 150. Fuji Electric Basic Information

Table 151. Fuji Electric GaN and SiC Power Semiconductor Product Overview

Table 152. Fuji Electric GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 153. Fuji Electric Business Overview

Table 154. Fuji Electric Recent Developments

Table 155. SemiQ Basic Information

Table 156. SemiQ GaN and SiC Power Semiconductor Product Overview

Table 157. SemiQ GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 158. SemiQ Business Overview

Table 159. SemiQ Recent Developments

Table 160. PN Junction Semiconductor (Hangzhou) Basic Information

Table 161. PN Junction Semiconductor (Hangzhou) GaN and SiC Power Semiconductor Product Overview

Table 162. PN Junction Semiconductor (Hangzhou) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 163. PN Junction Semiconductor (Hangzhou) Business Overview

Table 164. PN Junction Semiconductor (Hangzhou) Recent Developments

Table 165. Zhuzhou CRRC Times Electric Basic Information

Table 166. Zhuzhou CRRC Times Electric GaN and SiC Power Semiconductor Product Overview

Table 167. Zhuzhou CRRC Times Electric GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 168. Zhuzhou CRRC Times Electric Business Overview

Table 169. Zhuzhou CRRC Times Electric Recent Developments

Table 170. InventChip Technology Basic Information

Table 171. InventChip Technology GaN and SiC Power Semiconductor Product Overview

Table 172. InventChip Technology GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 173. InventChip Technology Business Overview

Table 174. InventChip Technology Recent Developments

Table 175. Microchip (Microsemi) Basic Information

Table 176. Microchip (Microsemi) GaN and SiC Power Semiconductor Product Overview

Table 177. Microchip (Microsemi) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 178. Microchip (Microsemi) Business Overview

Table 179. Microchip (Microsemi) Recent Developments

Table 180. CETC 55 Basic Information

Table 181. CETC 55 GaN and SiC Power Semiconductor Product Overview

Table 182. CETC 55 GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 183. CETC 55 Business Overview

Table 184. CETC 55 Recent Developments

Table 185. Toshiba Basic Information

Table 186. Toshiba GaN and SiC Power Semiconductor Product Overview

Table 187. Toshiba GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 188. Toshiba Business Overview

Table 189. Toshiba Recent Developments

Table 190. WeEn Semiconductors Basic Information

Table 191. WeEn Semiconductors GaN and SiC Power Semiconductor Product Overview

Table 192. WeEn Semiconductors GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 193. WeEn Semiconductors Business Overview

Table 194. WeEn Semiconductors Recent Developments

Table 195. Littelfuse (IXYS) Basic Information

Table 196. Littelfuse (IXYS) GaN and SiC Power Semiconductor Product Overview

Table 197. Littelfuse (IXYS) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 198. Littelfuse (IXYS) Business Overview

Table 199. Littelfuse (IXYS) Recent Developments

Table 200. Renesas Electronics (Transphorm) Basic Information

Table 201. Renesas Electronics (Transphorm) GaN and SiC Power Semiconductor Product Overview

Table 202. Renesas Electronics (Transphorm) GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 203. Renesas Electronics (Transphorm) Business Overview

Table 204. Renesas Electronics (Transphorm) Recent Developments

Table 205. Yangzhou Yangjie Electronic Technology Basic Information

Table 206. Yangzhou Yangjie Electronic Technology GaN and SiC Power Semiconductor Product Overview

Table 207. Yangzhou Yangjie Electronic Technology GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 208. Yangzhou Yangjie Electronic Technology Business Overview

Table 209. Yangzhou Yangjie Electronic Technology Recent Developments

Table 210. Vishay Intertechnology Basic Information

Table 211. Vishay Intertechnology GaN and SiC Power Semiconductor Product Overview

Table 212. Vishay Intertechnology GaN and SiC Power Semiconductor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 213. Vishay Intertechnology Business Overview

Table 214. Vishay Intertechnology Recent Developments

Table 215. Global GaN and SiC Power Semiconductor Sales Forecast by Region (2026-2035) & (K Units)

Table 216. Global GaN and SiC Power Semiconductor Market Size Forecast by Region (2026-2035) & (M USD)

Table 217. North America GaN and SiC Power Semiconductor Sales Forecast by

Country (2026-2035) & (K Units)

Table 218. North America GaN and SiC Power Semiconductor Market Size Forecast by Country (2026-2035) & (M USD)

Table 219. Europe GaN and SiC Power Semiconductor Sales Forecast by Country (2026-2035) & (K Units)

Table 220. Europe GaN and SiC Power Semiconductor Market Size Forecast by Country (2026-2035) & (M USD)

Table 221. Asia Pacific GaN and SiC Power Semiconductor Sales Forecast by Region (2026-2035) & (K Units)

Table 222. Asia Pacific GaN and SiC Power Semiconductor Market Size Forecast by Region (2026-2035) & (M USD)

Table 223. South America GaN and SiC Power Semiconductor Sales Forecast by Country (2026-2035) & (K Units)

Table 224. South America GaN and SiC Power Semiconductor Market Size Forecast by Country (2026-2035) & (M USD)

Table 225. Middle East and Africa GaN and SiC Power Semiconductor Sales Forecast by Country (2026-2035) & (Units)

Table 226. Middle East and Africa GaN and SiC Power Semiconductor Market Size Forecast by Country (2026-2035) & (M USD)

Table 227. Global GaN and SiC Power Semiconductor Sales Forecast by Type (2026-2035) & (K Units)

Table 228. Global GaN and SiC Power Semiconductor Market Size Forecast by Type (2026-2035) & (M USD)

Table 229. Global GaN and SiC Power Semiconductor Price Forecast by Type (2026-2035) & (USD/Unit)

Table 230. Global GaN and SiC Power Semiconductor Sales (K Units) Forecast by Application (2026-2035)

Table 231. Global GaN and SiC Power Semiconductor Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of GaN and SiC Power Semiconductor
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global GaN and SiC Power Semiconductor Market Size (M USD), 2025-2035
- Figure 5. Global GaN and SiC Power Semiconductor Market Size (M USD) (2020-2035)
- Figure 6. Global GaN and SiC Power Semiconductor Sales (K Units) & (2020-2035)
- 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. GaN and SiC Power Semiconductor Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global GaN and SiC Power Semiconductor Product Life Cycle
- Figure 13. GaN and SiC Power Semiconductor Sales Share by Manufacturers in 2025
- Figure 14. Global GaN and SiC Power Semiconductor Revenue Share by Manufacturers in 2025
- Figure 15. GaN and SiC Power Semiconductor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market GaN and SiC Power Semiconductor Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by GaN and SiC Power Semiconductor Revenue in 2025
- Figure 18. Industry Chain Map of GaN and SiC Power Semiconductor
- Figure 19. Global GaN and SiC Power Semiconductor Market PEST Analysis
- Figure 20. Global GaN and SiC Power Semiconductor Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global GaN and SiC Power Semiconductor Market Share by Type
- Figure 27. Sales Market Share of GaN and SiC Power Semiconductor by Type (2020-2025)
- Figure 28. Sales Market Share of GaN and SiC Power Semiconductor by Type in 2025
- Figure 29. Market Share of GaN and SiC Power Semiconductor by Type (2020-2025)

Figure 30. Market Share of GaN and SiC Power Semiconductor by Type in 2025

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

Figure 32. Global GaN and SiC Power Semiconductor Market Share by Application

Figure 33. Global GaN and SiC Power Semiconductor Sales Market Share by Application (2020-2025)

Figure 34. Global GaN and SiC Power Semiconductor Sales Market Share by Application in 2025

Figure 35. Global GaN and SiC Power Semiconductor Market Share by Application (2020-2025)

Figure 36. Global GaN and SiC Power Semiconductor Market Share by Application in 2025

Figure 37. Global GaN and SiC Power Semiconductor Sales Growth Rate by Application (2020-2025)

Figure 38. Global GaN and SiC Power Semiconductor Sales Market Share by Region (2020-2025)

Figure 39. Global GaN and SiC Power Semiconductor Market Size by Region (2020-2025)

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

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

Figure 42. North America GaN and SiC Power Semiconductor Sales Market Share by Country in 2024

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

Figure 44. North America GaN and SiC Power Semiconductor Market Size by Country in 2024

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

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

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

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

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

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

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

Figure 52. Europe GaN and SiC Power Semiconductor Sales Market Share by Country in 2024

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

Figure 54. Europe GaN and SiC Power Semiconductor Market Size by Country in 2024

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

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

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

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

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

Figure 60. U.K. GaN and SiC Power Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy GaN and SiC Power Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy GaN and SiC Power Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain GaN and SiC Power Semiconductor Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain GaN and SiC Power Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific GaN and SiC Power Semiconductor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific GaN and SiC Power Semiconductor Sales Market Share by Region in 2024

Figure 67. Asia Pacific GaN and SiC Power Semiconductor Market Size by Region in 2024

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

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

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

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

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

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

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

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

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

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

Figure 78. South America GaN and SiC Power Semiconductor Sales and Growth Rate (K Units)

Figure 79. South America GaN and SiC Power Semiconductor Sales Market Share by Country in 2024

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

Figure 81. South America GaN and SiC Power Semiconductor Market Size by Country in 2024

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

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

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

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

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

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

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

Figure 89. Middle East and Africa GaN and SiC Power Semiconductor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa GaN and SiC Power Semiconductor Market Size and

Growth Rate (M USD)

Figure 91. Middle East and Africa GaN and SiC Power Semiconductor Market Size by Region in 2024

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

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

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

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

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

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

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

Figure 99. Nigeria GaN and SiC Power Semiconductor Market Size and Growth Rate (2020-2025) & (M USD)

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

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

Figure 102. Global GaN and SiC Power Semiconductor Production Market Share by Region (2020-2025)

Figure 103. North America GaN and SiC Power Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe GaN and SiC Power Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan GaN and SiC Power Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 106. China GaN and SiC Power Semiconductor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global GaN and SiC Power Semiconductor Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global GaN and SiC Power Semiconductor Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global GaN and SiC Power Semiconductor Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global GaN and SiC Power Semiconductor Market Share Forecast by Type (2026-2035)

Figure 111. Global GaN and SiC Power Semiconductor Sales Forecast by Application (2026-2035)

Figure 112. Global GaN and SiC Power Semiconductor Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global GaN and SiC Power Semiconductor Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/GF718C8CD771EN.html>

Price: US\$ 2,980.00 (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/GF718C8CD771EN.html>