

Global RF GaN Semiconductor Device Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/R2122A62E891EN.html>

Date: July 2025

Pages: 129

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

ID: R2122A62E891EN

Abstracts

According to our (Global Info Research) latest study, the global RF GaN Semiconductor Device market size was valued at US\$ 1264 million in 2024 and is forecast to a readjusted size of USD 5230 million by 2031 with a CAGR of 22.8% during review period.

Gallium nitride (GaN) is a wide bandgap material that offers significant advantages in high-power radio frequency (RF) applications. Gallium nitride (GaN) is a wide bandgap material that offers significant advantages in high-power radio frequency (RF) applications.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

This report is a detailed and comprehensive analysis for global RF GaN Semiconductor Device market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global RF GaN Semiconductor Device market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global RF GaN Semiconductor Device market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global RF GaN Semiconductor Device market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global RF GaN Semiconductor Device market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for RF GaN Semiconductor Device
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global RF GaN Semiconductor Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sumitomo Electric Industries, Ltd, Raytheon Company, Robert Bosch GmbH, STMicroelectronics, Hitachi, Ltd, Toshiba Corporation, Mitsubishi Electric Corporation, Infineon Technologies AG, Renesas Electronics Corporation, Panasonic Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

RF GaN Semiconductor Device market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

GaN-On-SiC

GaN-On-Silicon

GaN-On-Diamond

Market segment by Application

Aerospace & Defense

Telecom

Consumer Electronics

Automotive

Others

Major players covered

Sumitomo Electric Industries, Ltd

Raytheon Company

Robert Bosch GmbH

STMicroelectronics

Hitachi, Ltd

Toshiba Corporation

Mitsubishi Electric Corporation

Infineon Technologies AG

Renesas Electronics Corporation

Panasonic Corporation

Microchip Technology

Aethercomm Inc.

Cree, Inc.

NXP Semiconductor

Analog Devices Inc.

ROHM Semiconductors

Qorvo Inc.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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

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

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

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

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

Chapter 1, to describe RF GaN Semiconductor Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of RF GaN Semiconductor Device, with price, sales quantity, revenue, and global market share of RF GaN Semiconductor Device from 2020 to 2025.

Chapter 3, the RF GaN Semiconductor Device competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the RF GaN Semiconductor Device breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and RF GaN Semiconductor Device market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of RF GaN Semiconductor Device.

Chapter 14 and 15, to describe RF GaN Semiconductor Device sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global RF GaN Semiconductor Device Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 GaN-On-SiC

1.3.3 GaN-On-Silicon

1.3.4 GaN-On-Diamond

1.4 Market Analysis by Application

1.4.1 Overview: Global RF GaN Semiconductor Device Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Aerospace & Defense

1.4.3 Telecom

1.4.4 Consumer Electronics

1.4.5 Automotive

1.4.6 Others

1.5 Global RF GaN Semiconductor Device Market Size & Forecast

1.5.1 Global RF GaN Semiconductor Device Consumption Value (2020 & 2024 & 2031)

1.5.2 Global RF GaN Semiconductor Device Sales Quantity (2020-2031)

1.5.3 Global RF GaN Semiconductor Device Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Sumitomo Electric Industries, Ltd

2.1.1 Sumitomo Electric Industries, Ltd Details

2.1.2 Sumitomo Electric Industries, Ltd Major Business

2.1.3 Sumitomo Electric Industries, Ltd RF GaN Semiconductor Device Product and Services

2.1.4 Sumitomo Electric Industries, Ltd RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Sumitomo Electric Industries, Ltd Recent Developments/Updates

2.2 Raytheon Company

2.2.1 Raytheon Company Details

2.2.2 Raytheon Company Major Business

- 2.2.3 Raytheon Company RF GaN Semiconductor Device Product and Services
- 2.2.4 Raytheon Company RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.2.5 Raytheon Company Recent Developments/Updates
- 2.3 Robert Bosch GmbH
 - 2.3.1 Robert Bosch GmbH Details
 - 2.3.2 Robert Bosch GmbH Major Business
 - 2.3.3 Robert Bosch GmbH RF GaN Semiconductor Device Product and Services
 - 2.3.4 Robert Bosch GmbH RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.3.5 Robert Bosch GmbH Recent Developments/Updates
- 2.4 STMicroelectronics
 - 2.4.1 STMicroelectronics Details
 - 2.4.2 STMicroelectronics Major Business
 - 2.4.3 STMicroelectronics RF GaN Semiconductor Device Product and Services
 - 2.4.4 STMicroelectronics RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 STMicroelectronics Recent Developments/Updates
- 2.5 Hitachi, Ltd
 - 2.5.1 Hitachi, Ltd Details
 - 2.5.2 Hitachi, Ltd Major Business
 - 2.5.3 Hitachi, Ltd RF GaN Semiconductor Device Product and Services
 - 2.5.4 Hitachi, Ltd RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Hitachi, Ltd Recent Developments/Updates
- 2.6 Toshiba Corporation
 - 2.6.1 Toshiba Corporation Details
 - 2.6.2 Toshiba Corporation Major Business
 - 2.6.3 Toshiba Corporation RF GaN Semiconductor Device Product and Services
 - 2.6.4 Toshiba Corporation RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Toshiba Corporation Recent Developments/Updates
- 2.7 Mitsubishi Electric Corporation
 - 2.7.1 Mitsubishi Electric Corporation Details
 - 2.7.2 Mitsubishi Electric Corporation Major Business
 - 2.7.3 Mitsubishi Electric Corporation RF GaN Semiconductor Device Product and Services
 - 2.7.4 Mitsubishi Electric Corporation RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.7.5 Mitsubishi Electric Corporation Recent Developments/Updates
- 2.8 Infineon Technologies AG
 - 2.8.1 Infineon Technologies AG Details
 - 2.8.2 Infineon Technologies AG Major Business
 - 2.8.3 Infineon Technologies AG RF GaN Semiconductor Device Product and Services
 - 2.8.4 Infineon Technologies AG RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.8.5 Infineon Technologies AG Recent Developments/Updates
- 2.9 Renesas Electronics Corporation
 - 2.9.1 Renesas Electronics Corporation Details
 - 2.9.2 Renesas Electronics Corporation Major Business
 - 2.9.3 Renesas Electronics Corporation RF GaN Semiconductor Device Product and Services
 - 2.9.4 Renesas Electronics Corporation RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Renesas Electronics Corporation Recent Developments/Updates
- 2.10 Panasonic Corporation
 - 2.10.1 Panasonic Corporation Details
 - 2.10.2 Panasonic Corporation Major Business
 - 2.10.3 Panasonic Corporation RF GaN Semiconductor Device Product and Services
 - 2.10.4 Panasonic Corporation RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Panasonic Corporation Recent Developments/Updates
- 2.11 Microchip Technology
 - 2.11.1 Microchip Technology Details
 - 2.11.2 Microchip Technology Major Business
 - 2.11.3 Microchip Technology RF GaN Semiconductor Device Product and Services
 - 2.11.4 Microchip Technology RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Microchip Technology Recent Developments/Updates
- 2.12 Aethercomm Inc.
 - 2.12.1 Aethercomm Inc. Details
 - 2.12.2 Aethercomm Inc. Major Business
 - 2.12.3 Aethercomm Inc. RF GaN Semiconductor Device Product and Services
 - 2.12.4 Aethercomm Inc. RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 Aethercomm Inc. Recent Developments/Updates
- 2.13 Cree, Inc.
 - 2.13.1 Cree, Inc. Details

- 2.13.2 Cree, Inc. Major Business
- 2.13.3 Cree, Inc. RF GaN Semiconductor Device Product and Services
- 2.13.4 Cree, Inc. RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.13.5 Cree, Inc. Recent Developments/Updates
- 2.14 NXP Semiconductor
 - 2.14.1 NXP Semiconductor Details
 - 2.14.2 NXP Semiconductor Major Business
 - 2.14.3 NXP Semiconductor RF GaN Semiconductor Device Product and Services
 - 2.14.4 NXP Semiconductor RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 NXP Semiconductor Recent Developments/Updates
- 2.15 Analog Devices Inc.
 - 2.15.1 Analog Devices Inc. Details
 - 2.15.2 Analog Devices Inc. Major Business
 - 2.15.3 Analog Devices Inc. RF GaN Semiconductor Device Product and Services
 - 2.15.4 Analog Devices Inc. RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Analog Devices Inc. Recent Developments/Updates
- 2.16 ROHM Semiconductors
 - 2.16.1 ROHM Semiconductors Details
 - 2.16.2 ROHM Semiconductors Major Business
 - 2.16.3 ROHM Semiconductors RF GaN Semiconductor Device Product and Services
 - 2.16.4 ROHM Semiconductors RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 ROHM Semiconductors Recent Developments/Updates
- 2.17 Qorvo Inc.
 - 2.17.1 Qorvo Inc. Details
 - 2.17.2 Qorvo Inc. Major Business
 - 2.17.3 Qorvo Inc. RF GaN Semiconductor Device Product and Services
 - 2.17.4 Qorvo Inc. RF GaN Semiconductor Device Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Qorvo Inc. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: RF GAN SEMICONDUCTOR DEVICE BY MANUFACTURER

- 3.1 Global RF GaN Semiconductor Device Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global RF GaN Semiconductor Device Revenue by Manufacturer (2020-2025)

3.3 Global RF GaN Semiconductor Device Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of RF GaN Semiconductor Device by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 RF GaN Semiconductor Device Manufacturer Market Share in 2024

3.4.3 Top 6 RF GaN Semiconductor Device Manufacturer Market Share in 2024

3.5 RF GaN Semiconductor Device Market: Overall Company Footprint Analysis

3.5.1 RF GaN Semiconductor Device Market: Region Footprint

3.5.2 RF GaN Semiconductor Device Market: Company Product Type Footprint

3.5.3 RF GaN Semiconductor Device Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global RF GaN Semiconductor Device Market Size by Region

4.1.1 Global RF GaN Semiconductor Device Sales Quantity by Region (2020-2031)

4.1.2 Global RF GaN Semiconductor Device Consumption Value by Region (2020-2031)

4.1.3 Global RF GaN Semiconductor Device Average Price by Region (2020-2031)

4.2 North America RF GaN Semiconductor Device Consumption Value (2020-2031)

4.3 Europe RF GaN Semiconductor Device Consumption Value (2020-2031)

4.4 Asia-Pacific RF GaN Semiconductor Device Consumption Value (2020-2031)

4.5 South America RF GaN Semiconductor Device Consumption Value (2020-2031)

4.6 Middle East & Africa RF GaN Semiconductor Device Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)

5.2 Global RF GaN Semiconductor Device Consumption Value by Type (2020-2031)

5.3 Global RF GaN Semiconductor Device Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)

6.2 Global RF GaN Semiconductor Device Consumption Value by Application (2020-2031)

6.3 Global RF GaN Semiconductor Device Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)

7.2 North America RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)

7.3 North America RF GaN Semiconductor Device Market Size by Country

7.3.1 North America RF GaN Semiconductor Device Sales Quantity by Country (2020-2031)

7.3.2 North America RF GaN Semiconductor Device Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)

8.2 Europe RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)

8.3 Europe RF GaN Semiconductor Device Market Size by Country

8.3.1 Europe RF GaN Semiconductor Device Sales Quantity by Country (2020-2031)

8.3.2 Europe RF GaN Semiconductor Device Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific RF GaN Semiconductor Device Market Size by Region

9.3.1 Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific RF GaN Semiconductor Device Consumption Value by Region (2020-2031)

- 9.3.3 China Market Size and Forecast (2020-2031)
- 9.3.4 Japan Market Size and Forecast (2020-2031)
- 9.3.5 South Korea Market Size and Forecast (2020-2031)
- 9.3.6 India Market Size and Forecast (2020-2031)
- 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
- 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)
- 10.2 South America RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)
- 10.3 South America RF GaN Semiconductor Device Market Size by Country
 - 10.3.1 South America RF GaN Semiconductor Device Sales Quantity by Country (2020-2031)
 - 10.3.2 South America RF GaN Semiconductor Device Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa RF GaN Semiconductor Device Market Size by Country
 - 11.3.1 Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa RF GaN Semiconductor Device Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 RF GaN Semiconductor Device Market Drivers
- 12.2 RF GaN Semiconductor Device Market Restraints
- 12.3 RF GaN Semiconductor Device Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of RF GaN Semiconductor Device and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of RF GaN Semiconductor Device
- 13.3 RF GaN Semiconductor Device Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 RF GaN Semiconductor Device Typical Distributors
- 14.3 RF GaN Semiconductor Device Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

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

List Of Tables

LIST OF TABLES

Table 1. Global RF GaN Semiconductor Device Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global RF GaN Semiconductor Device Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Sumitomo Electric Industries, Ltd Basic Information, Manufacturing Base and Competitors

Table 4. Sumitomo Electric Industries, Ltd Major Business

Table 5. Sumitomo Electric Industries, Ltd RF GaN Semiconductor Device Product and Services

Table 6. Sumitomo Electric Industries, Ltd RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Sumitomo Electric Industries, Ltd Recent Developments/Updates

Table 8. Raytheon Company Basic Information, Manufacturing Base and Competitors

Table 9. Raytheon Company Major Business

Table 10. Raytheon Company RF GaN Semiconductor Device Product and Services

Table 11. Raytheon Company RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Raytheon Company Recent Developments/Updates

Table 13. Robert Bosch GmbH Basic Information, Manufacturing Base and Competitors

Table 14. Robert Bosch GmbH Major Business

Table 15. Robert Bosch GmbH RF GaN Semiconductor Device Product and Services

Table 16. Robert Bosch GmbH RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Robert Bosch GmbH Recent Developments/Updates

Table 18. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 19. STMicroelectronics Major Business

Table 20. STMicroelectronics RF GaN Semiconductor Device Product and Services

Table 21. STMicroelectronics RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. STMicroelectronics Recent Developments/Updates

Table 23. Hitachi, Ltd Basic Information, Manufacturing Base and Competitors

Table 24. Hitachi, Ltd Major Business

Table 25. Hitachi, Ltd RF GaN Semiconductor Device Product and Services

Table 26. Hitachi, Ltd RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Hitachi, Ltd Recent Developments/Updates

Table 28. Toshiba Corporation Basic Information, Manufacturing Base and Competitors

Table 29. Toshiba Corporation Major Business

Table 30. Toshiba Corporation RF GaN Semiconductor Device Product and Services

Table 31. Toshiba Corporation RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Toshiba Corporation Recent Developments/Updates

Table 33. Mitsubishi Electric Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Mitsubishi Electric Corporation Major Business

Table 35. Mitsubishi Electric Corporation RF GaN Semiconductor Device Product and Services

Table 36. Mitsubishi Electric Corporation RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Mitsubishi Electric Corporation Recent Developments/Updates

Table 38. Infineon Technologies AG Basic Information, Manufacturing Base and Competitors

Table 39. Infineon Technologies AG Major Business

Table 40. Infineon Technologies AG RF GaN Semiconductor Device Product and Services

Table 41. Infineon Technologies AG RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Infineon Technologies AG Recent Developments/Updates

Table 43. Renesas Electronics Corporation Basic Information, Manufacturing Base and Competitors

Table 44. Renesas Electronics Corporation Major Business

Table 45. Renesas Electronics Corporation RF GaN Semiconductor Device Product and Services

Table 46. Renesas Electronics Corporation RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Renesas Electronics Corporation Recent Developments/Updates

Table 48. Panasonic Corporation Basic Information, Manufacturing Base and Competitors

Table 49. Panasonic Corporation Major Business

Table 50. Panasonic Corporation RF GaN Semiconductor Device Product and Services

Table 51. Panasonic Corporation RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Panasonic Corporation Recent Developments/Updates

Table 53. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 54. Microchip Technology Major Business

Table 55. Microchip Technology RF GaN Semiconductor Device Product and Services

Table 56. Microchip Technology RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Microchip Technology Recent Developments/Updates

Table 58. Aethercomm Inc. Basic Information, Manufacturing Base and Competitors

Table 59. Aethercomm Inc. Major Business

Table 60. Aethercomm Inc. RF GaN Semiconductor Device Product and Services

Table 61. Aethercomm Inc. RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Aethercomm Inc. Recent Developments/Updates

Table 63. Cree, Inc. Basic Information, Manufacturing Base and Competitors

Table 64. Cree, Inc. Major Business

Table 65. Cree, Inc. RF GaN Semiconductor Device Product and Services

Table 66. Cree, Inc. RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Cree, Inc. Recent Developments/Updates

Table 68. NXP Semiconductor Basic Information, Manufacturing Base and Competitors

Table 69. NXP Semiconductor Major Business

Table 70. NXP Semiconductor RF GaN Semiconductor Device Product and Services

Table 71. NXP Semiconductor RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. NXP Semiconductor Recent Developments/Updates

Table 73. Analog Devices Inc. Basic Information, Manufacturing Base and Competitors

Table 74. Analog Devices Inc. Major Business

Table 75. Analog Devices Inc. RF GaN Semiconductor Device Product and Services

Table 76. Analog Devices Inc. RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Analog Devices Inc. Recent Developments/Updates

Table 78. ROHM Semiconductors Basic Information, Manufacturing Base and Competitors

Table 79. ROHM Semiconductors Major Business

Table 80. ROHM Semiconductors RF GaN Semiconductor Device Product and Services

Table 81. ROHM Semiconductors RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. ROHM Semiconductors Recent Developments/Updates

Table 83. Qorvo Inc. Basic Information, Manufacturing Base and Competitors

Table 84. Qorvo Inc. Major Business

Table 85. Qorvo Inc. RF GaN Semiconductor Device Product and Services

Table 86. Qorvo Inc. RF GaN Semiconductor Device Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Qorvo Inc. Recent Developments/Updates

Table 88. Global RF GaN Semiconductor Device Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 89. Global RF GaN Semiconductor Device Revenue by Manufacturer (2020-2025) & (USD Million)

Table 90. Global RF GaN Semiconductor Device Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 91. Market Position of Manufacturers in RF GaN Semiconductor Device, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 92. Head Office and RF GaN Semiconductor Device Production Site of Key Manufacturer

Table 93. RF GaN Semiconductor Device Market: Company Product Type Footprint

Table 94. RF GaN Semiconductor Device Market: Company Product Application Footprint

Table 95. RF GaN Semiconductor Device New Market Entrants and Barriers to Market Entry

Table 96. RF GaN Semiconductor Device Mergers, Acquisition, Agreements, and Collaborations

Table 97. Global RF GaN Semiconductor Device Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 98. Global RF GaN Semiconductor Device Sales Quantity by Region (2020-2025) & (K Units)

Table 99. Global RF GaN Semiconductor Device Sales Quantity by Region (2026-2031) & (K Units)

Table 100. Global RF GaN Semiconductor Device Consumption Value by Region (2020-2025) & (USD Million)

Table 101. Global RF GaN Semiconductor Device Consumption Value by Region (2026-2031) & (USD Million)

Table 102. Global RF GaN Semiconductor Device Average Price by Region (2020-2025) & (US\$/Unit)

Table 103. Global RF GaN Semiconductor Device Average Price by Region (2026-2031) & (US\$/Unit)

Table 104. Global RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 105. Global RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 106. Global RF GaN Semiconductor Device Consumption Value by Type (2020-2025) & (USD Million)

Table 107. Global RF GaN Semiconductor Device Consumption Value by Type (2026-2031) & (USD Million)

Table 108. Global RF GaN Semiconductor Device Average Price by Type (2020-2025) & (US\$/Unit)

Table 109. Global RF GaN Semiconductor Device Average Price by Type (2026-2031) & (US\$/Unit)

Table 110. Global RF GaN Semiconductor Device Sales Quantity by Application (2020-2025) & (K Units)

Table 111. Global RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 112. Global RF GaN Semiconductor Device Consumption Value by Application (2020-2025) & (USD Million)

Table 113. Global RF GaN Semiconductor Device Consumption Value by Application (2026-2031) & (USD Million)

Table 114. Global RF GaN Semiconductor Device Average Price by Application (2020-2025) & (US\$/Unit)

Table 115. Global RF GaN Semiconductor Device Average Price by Application (2026-2031) & (US\$/Unit)

Table 116. North America RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 117. North America RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 118. North America RF GaN Semiconductor Device Sales Quantity by Application

(2020-2025) & (K Units)

Table 119. North America RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 120. North America RF GaN Semiconductor Device Sales Quantity by Country (2020-2025) & (K Units)

Table 121. North America RF GaN Semiconductor Device Sales Quantity by Country (2026-2031) & (K Units)

Table 122. North America RF GaN Semiconductor Device Consumption Value by Country (2020-2025) & (USD Million)

Table 123. North America RF GaN Semiconductor Device Consumption Value by Country (2026-2031) & (USD Million)

Table 124. Europe RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 125. Europe RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 126. Europe RF GaN Semiconductor Device Sales Quantity by Application (2020-2025) & (K Units)

Table 127. Europe RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 128. Europe RF GaN Semiconductor Device Sales Quantity by Country (2020-2025) & (K Units)

Table 129. Europe RF GaN Semiconductor Device Sales Quantity by Country (2026-2031) & (K Units)

Table 130. Europe RF GaN Semiconductor Device Consumption Value by Country (2020-2025) & (USD Million)

Table 131. Europe RF GaN Semiconductor Device Consumption Value by Country (2026-2031) & (USD Million)

Table 132. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 133. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 134. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Application (2020-2025) & (K Units)

Table 135. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 136. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Region (2020-2025) & (K Units)

Table 137. Asia-Pacific RF GaN Semiconductor Device Sales Quantity by Region (2026-2031) & (K Units)

Table 138. Asia-Pacific RF GaN Semiconductor Device Consumption Value by Region (2020-2025) & (USD Million)

Table 139. Asia-Pacific RF GaN Semiconductor Device Consumption Value by Region (2026-2031) & (USD Million)

Table 140. South America RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 141. South America RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 142. South America RF GaN Semiconductor Device Sales Quantity by Application (2020-2025) & (K Units)

Table 143. South America RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 144. South America RF GaN Semiconductor Device Sales Quantity by Country (2020-2025) & (K Units)

Table 145. South America RF GaN Semiconductor Device Sales Quantity by Country (2026-2031) & (K Units)

Table 146. South America RF GaN Semiconductor Device Consumption Value by Country (2020-2025) & (USD Million)

Table 147. South America RF GaN Semiconductor Device Consumption Value by Country (2026-2031) & (USD Million)

Table 148. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Type (2020-2025) & (K Units)

Table 149. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Type (2026-2031) & (K Units)

Table 150. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Application (2020-2025) & (K Units)

Table 151. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Application (2026-2031) & (K Units)

Table 152. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Country (2020-2025) & (K Units)

Table 153. Middle East & Africa RF GaN Semiconductor Device Sales Quantity by Country (2026-2031) & (K Units)

Table 154. Middle East & Africa RF GaN Semiconductor Device Consumption Value by Country (2020-2025) & (USD Million)

Table 155. Middle East & Africa RF GaN Semiconductor Device Consumption Value by Country (2026-2031) & (USD Million)

Table 156. RF GaN Semiconductor Device Raw Material

Table 157. Key Manufacturers of RF GaN Semiconductor Device Raw Materials

Table 158. RF GaN Semiconductor Device Typical Distributors

Table 159. RF GaN Semiconductor Device Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. RF GaN Semiconductor Device Picture
- Figure 2. Global RF GaN Semiconductor Device Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global RF GaN Semiconductor Device Revenue Market Share by Type in 2024
- Figure 4. GaN-On-SiC Examples
- Figure 5. GaN-On-Silicon Examples
- Figure 6. GaN-On-Diamond Examples
- Figure 7. Global RF GaN Semiconductor Device Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 8. Global RF GaN Semiconductor Device Revenue Market Share by Application in 2024
- Figure 9. Aerospace & Defense Examples
- Figure 10. Telecom Examples
- Figure 11. Consumer Electronics Examples
- Figure 12. Automotive Examples
- Figure 13. Others Examples
- Figure 14. Global RF GaN Semiconductor Device Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 15. Global RF GaN Semiconductor Device Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 16. Global RF GaN Semiconductor Device Sales Quantity (2020-2031) & (K Units)
- Figure 17. Global RF GaN Semiconductor Device Price (2020-2031) & (US\$/Unit)
- Figure 18. Global RF GaN Semiconductor Device Sales Quantity Market Share by Manufacturer in 2024
- Figure 19. Global RF GaN Semiconductor Device Revenue Market Share by Manufacturer in 2024
- Figure 20. Producer Shipments of RF GaN Semiconductor Device by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 21. Top 3 RF GaN Semiconductor Device Manufacturer (Revenue) Market Share in 2024
- Figure 22. Top 6 RF GaN Semiconductor Device Manufacturer (Revenue) Market Share in 2024
- Figure 23. Global RF GaN Semiconductor Device Sales Quantity Market Share by

Region (2020-2031)

Figure 24. Global RF GaN Semiconductor Device Consumption Value Market Share by Region (2020-2031)

Figure 25. North America RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 26. Europe RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 27. Asia-Pacific RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 28. South America RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 29. Middle East & Africa RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 30. Global RF GaN Semiconductor Device Sales Quantity Market Share by Type (2020-2031)

Figure 31. Global RF GaN Semiconductor Device Consumption Value Market Share by Type (2020-2031)

Figure 32. Global RF GaN Semiconductor Device Average Price by Type (2020-2031) & (US\$/Unit)

Figure 33. Global RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 34. Global RF GaN Semiconductor Device Revenue Market Share by Application (2020-2031)

Figure 35. Global RF GaN Semiconductor Device Average Price by Application (2020-2031) & (US\$/Unit)

Figure 36. North America RF GaN Semiconductor Device Sales Quantity Market Share by Type (2020-2031)

Figure 37. North America RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 38. North America RF GaN Semiconductor Device Sales Quantity Market Share by Country (2020-2031)

Figure 39. North America RF GaN Semiconductor Device Consumption Value Market Share by Country (2020-2031)

Figure 40. United States RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 41. Canada RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 42. Mexico RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 43. Europe RF GaN Semiconductor Device Sales Quantity Market Share by Type (2020-2031)

Figure 44. Europe RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 45. Europe RF GaN Semiconductor Device Sales Quantity Market Share by Country (2020-2031)

Figure 46. Europe RF GaN Semiconductor Device Consumption Value Market Share by Country (2020-2031)

Figure 47. Germany RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 48. France RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 49. United Kingdom RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 50. Russia RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 51. Italy RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 52. Asia-Pacific RF GaN Semiconductor Device Sales Quantity Market Share by Type (2020-2031)

Figure 53. Asia-Pacific RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 54. Asia-Pacific RF GaN Semiconductor Device Sales Quantity Market Share by Region (2020-2031)

Figure 55. Asia-Pacific RF GaN Semiconductor Device Consumption Value Market Share by Region (2020-2031)

Figure 56. China RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 57. Japan RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 58. South Korea RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 59. India RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 60. Southeast Asia RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 61. Australia RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 62. South America RF GaN Semiconductor Device Sales Quantity Market Share

by Type (2020-2031)

Figure 63. South America RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 64. South America RF GaN Semiconductor Device Sales Quantity Market Share by Country (2020-2031)

Figure 65. South America RF GaN Semiconductor Device Consumption Value Market Share by Country (2020-2031)

Figure 66. Brazil RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 67. Argentina RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 68. Middle East & Africa RF GaN Semiconductor Device Sales Quantity Market Share by Type (2020-2031)

Figure 69. Middle East & Africa RF GaN Semiconductor Device Sales Quantity Market Share by Application (2020-2031)

Figure 70. Middle East & Africa RF GaN Semiconductor Device Sales Quantity Market Share by Country (2020-2031)

Figure 71. Middle East & Africa RF GaN Semiconductor Device Consumption Value Market Share by Country (2020-2031)

Figure 72. Turkey RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 73. Egypt RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 74. Saudi Arabia RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 75. South Africa RF GaN Semiconductor Device Consumption Value (2020-2031) & (USD Million)

Figure 76. RF GaN Semiconductor Device Market Drivers

Figure 77. RF GaN Semiconductor Device Market Restraints

Figure 78. RF GaN Semiconductor Device Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of RF GaN Semiconductor Device in 2024

Figure 81. Manufacturing Process Analysis of RF GaN Semiconductor Device

Figure 82. RF GaN Semiconductor Device Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

I would like to order

Product name: Global RF GaN Semiconductor Device Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/R2122A62E891EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R2122A62E891EN.html>