

Global GaN RF Front End Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G20B9C001BD3EN.html>

Date: April 2023

Pages: 120

Price: US\$ 4,480.00 (Single User License)

ID: G20B9C001BD3EN

Abstracts

The global GaN RF Front End market size is expected to reach \$ 4136.9 million by 2029, rising at a market growth of 19.1% CAGR during the forecast period (2023-2029).

Solid-state technologies such as gallium nitride (GaN) are transforming satellite communications. GaN's advantages of high RF power, low DC power consumption, high reliability and smaller size (reducing system weight) are opening new markets and revolutionizing RF front-ends in existing satellite communication applications. In this stable market, the trend toward higher frequencies finds a place for RF GaN in power amplifiers (PAs) for 5G network frequencies below 6GHz (sub-6Ghz). Gallium Nitride (GaN) technology continues to evolve, pushing the limits of what's possible through ever-increasing gains in power density, reliability, and shrinking size. GaN is no longer a defense/aerospace-only technology, enabling higher and higher frequencies in more complex applications such as phased arrays, radar, 5G base station transceivers, cable television (CATV), VSAT and Defense Communications.

This report studies the global GaN RF Front End production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GaN RF Front End, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of GaN RF Front End that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GaN RF Front End total production and demand, 2018-2029, (K Units)

Global GaN RF Front End total production value, 2018-2029, (USD Million)

Global GaN RF Front End production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN RF Front End consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: GaN RF Front End domestic production, consumption, key domestic manufacturers and share

Global GaN RF Front End production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global GaN RF Front End production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN RF Front End production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global GaN RF Front End market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qualcomm, Qorvo, Skyworks Solutions Inc., NXP, STMicroelectronics, Macom, Innoscience, Sumitomo Electric and Cree, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World GaN RF Front End market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global GaN RF Front End Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GaN RF Front End Market, Segmentation by Type

GaN-on-SiC

GaN-on-Si

GaN-on-Diamond

Global GaN RF Front End Market, Segmentation by Application

5G Radio Access Networks

Satellite Communications

Radar System

Companies Profiled:

Qualcomm

Qorvo

Skyworks Solutions Inc.

NXP

STMicroelectronics

Macom

Innoscence

Sumitomo Electric

Cree

RFHIC

Win Semiconductors

Akash Systems

Texas Instruments

Infineon Technologies AG

Ampleon

Wolfspeed

ADI

Bowei Integrated Circuit Co., Ltd.

Key Questions Answered

1. How big is the global GaN RF Front End market?
2. What is the demand of the global GaN RF Front End market?
3. What is the year over year growth of the global GaN RF Front End market?
4. What is the production and production value of the global GaN RF Front End market?
5. Who are the key producers in the global GaN RF Front End market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 GaN RF Front End Introduction
- 1.2 World GaN RF Front End Supply & Forecast
 - 1.2.1 World GaN RF Front End Production Value (2018 & 2022 & 2029)
 - 1.2.2 World GaN RF Front End Production (2018-2029)
 - 1.2.3 World GaN RF Front End Pricing Trends (2018-2029)
- 1.3 World GaN RF Front End Production by Region (Based on Production Site)
 - 1.3.1 World GaN RF Front End Production Value by Region (2018-2029)
 - 1.3.2 World GaN RF Front End Production by Region (2018-2029)
 - 1.3.3 World GaN RF Front End Average Price by Region (2018-2029)
 - 1.3.4 North America GaN RF Front End Production (2018-2029)
 - 1.3.5 Europe GaN RF Front End Production (2018-2029)
 - 1.3.6 China GaN RF Front End Production (2018-2029)
 - 1.3.7 Japan GaN RF Front End Production (2018-2029)
 - 1.3.8 South Korea GaN RF Front End Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 GaN RF Front End Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 GaN RF Front End Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World GaN RF Front End Demand (2018-2029)
- 2.2 World GaN RF Front End Consumption by Region
 - 2.2.1 World GaN RF Front End Consumption by Region (2018-2023)
 - 2.2.2 World GaN RF Front End Consumption Forecast by Region (2024-2029)
- 2.3 United States GaN RF Front End Consumption (2018-2029)
- 2.4 China GaN RF Front End Consumption (2018-2029)
- 2.5 Europe GaN RF Front End Consumption (2018-2029)
- 2.6 Japan GaN RF Front End Consumption (2018-2029)
- 2.7 South Korea GaN RF Front End Consumption (2018-2029)
- 2.8 ASEAN GaN RF Front End Consumption (2018-2029)
- 2.9 India GaN RF Front End Consumption (2018-2029)

3 WORLD GAN RF FRONT END MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World GaN RF Front End Production Value by Manufacturer (2018-2023)
- 3.2 World GaN RF Front End Production by Manufacturer (2018-2023)
- 3.3 World GaN RF Front End Average Price by Manufacturer (2018-2023)
- 3.4 GaN RF Front End Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global GaN RF Front End Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for GaN RF Front End in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for GaN RF Front End in 2022
- 3.6 GaN RF Front End Market: Overall Company Footprint Analysis
 - 3.6.1 GaN RF Front End Market: Region Footprint
 - 3.6.2 GaN RF Front End Market: Company Product Type Footprint
 - 3.6.3 GaN RF Front End Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: GaN RF Front End Production Value Comparison
 - 4.1.1 United States VS China: GaN RF Front End Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: GaN RF Front End Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: GaN RF Front End Production Comparison
 - 4.2.1 United States VS China: GaN RF Front End Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: GaN RF Front End Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: GaN RF Front End Consumption Comparison
 - 4.3.1 United States VS China: GaN RF Front End Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: GaN RF Front End Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based GaN RF Front End Manufacturers and Market Share, 2018-2023

4.4.1 United States Based GaN RF Front End Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers GaN RF Front End Production Value (2018-2023)

4.4.3 United States Based Manufacturers GaN RF Front End Production (2018-2023)

4.5 China Based GaN RF Front End Manufacturers and Market Share

4.5.1 China Based GaN RF Front End Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers GaN RF Front End Production Value (2018-2023)

4.5.3 China Based Manufacturers GaN RF Front End Production (2018-2023)

4.6 Rest of World Based GaN RF Front End Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based GaN RF Front End Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers GaN RF Front End Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers GaN RF Front End Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World GaN RF Front End Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 GaN-on-SiC

5.2.2 GaN-on-Si

5.2.3 GaN-on-Diamond

5.3 Market Segment by Type

5.3.1 World GaN RF Front End Production by Type (2018-2029)

5.3.2 World GaN RF Front End Production Value by Type (2018-2029)

5.3.3 World GaN RF Front End Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World GaN RF Front End Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 5G Radio Access Networks

6.2.2 Satellite Communications

6.2.3 Radar System

6.3 Market Segment by Application

6.3.1 World GaN RF Front End Production by Application (2018-2029)

6.3.2 World GaN RF Front End Production Value by Application (2018-2029)

6.3.3 World GaN RF Front End Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Qualcomm

7.1.1 Qualcomm Details

7.1.2 Qualcomm Major Business

7.1.3 Qualcomm GaN RF Front End Product and Services

7.1.4 Qualcomm GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Qualcomm Recent Developments/Updates

7.1.6 Qualcomm Competitive Strengths & Weaknesses

7.2 Qorvo

7.2.1 Qorvo Details

7.2.2 Qorvo Major Business

7.2.3 Qorvo GaN RF Front End Product and Services

7.2.4 Qorvo GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Qorvo Recent Developments/Updates

7.2.6 Qorvo Competitive Strengths & Weaknesses

7.3 Skyworks Solutions Inc.

7.3.1 Skyworks Solutions Inc. Details

7.3.2 Skyworks Solutions Inc. Major Business

7.3.3 Skyworks Solutions Inc. GaN RF Front End Product and Services

7.3.4 Skyworks Solutions Inc. GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Skyworks Solutions Inc. Recent Developments/Updates

7.3.6 Skyworks Solutions Inc. Competitive Strengths & Weaknesses

7.4 NXP

7.4.1 NXP Details

7.4.2 NXP Major Business

7.4.3 NXP GaN RF Front End Product and Services

7.4.4 NXP GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 NXP Recent Developments/Updates

- 7.4.6 NXP Competitive Strengths & Weaknesses
- 7.5 STMicroelectronics
 - 7.5.1 STMicroelectronics Details
 - 7.5.2 STMicroelectronics Major Business
 - 7.5.3 STMicroelectronics GaN RF Front End Product and Services
 - 7.5.4 STMicroelectronics GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 STMicroelectronics Recent Developments/Updates
 - 7.5.6 STMicroelectronics Competitive Strengths & Weaknesses
- 7.6 Macom
 - 7.6.1 Macom Details
 - 7.6.2 Macom Major Business
 - 7.6.3 Macom GaN RF Front End Product and Services
 - 7.6.4 Macom GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Macom Recent Developments/Updates
 - 7.6.6 Macom Competitive Strengths & Weaknesses
- 7.7 Innoscience
 - 7.7.1 Innoscience Details
 - 7.7.2 Innoscience Major Business
 - 7.7.3 Innoscience GaN RF Front End Product and Services
 - 7.7.4 Innoscience GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Innoscience Recent Developments/Updates
 - 7.7.6 Innoscience Competitive Strengths & Weaknesses
- 7.8 Sumitomo Electric
 - 7.8.1 Sumitomo Electric Details
 - 7.8.2 Sumitomo Electric Major Business
 - 7.8.3 Sumitomo Electric GaN RF Front End Product and Services
 - 7.8.4 Sumitomo Electric GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Sumitomo Electric Recent Developments/Updates
 - 7.8.6 Sumitomo Electric Competitive Strengths & Weaknesses
- 7.9 Cree
 - 7.9.1 Cree Details
 - 7.9.2 Cree Major Business
 - 7.9.3 Cree GaN RF Front End Product and Services
 - 7.9.4 Cree GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.9.5 Cree Recent Developments/Updates
- 7.9.6 Cree Competitive Strengths & Weaknesses
- 7.10 RFHIC
 - 7.10.1 RFHIC Details
 - 7.10.2 RFHIC Major Business
 - 7.10.3 RFHIC GaN RF Front End Product and Services
 - 7.10.4 RFHIC GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 RFHIC Recent Developments/Updates
 - 7.10.6 RFHIC Competitive Strengths & Weaknesses
- 7.11 Win Semiconductors
 - 7.11.1 Win Semiconductors Details
 - 7.11.2 Win Semiconductors Major Business
 - 7.11.3 Win Semiconductors GaN RF Front End Product and Services
 - 7.11.4 Win Semiconductors GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 Win Semiconductors Recent Developments/Updates
 - 7.11.6 Win Semiconductors Competitive Strengths & Weaknesses
- 7.12 Akash Systems
 - 7.12.1 Akash Systems Details
 - 7.12.2 Akash Systems Major Business
 - 7.12.3 Akash Systems GaN RF Front End Product and Services
 - 7.12.4 Akash Systems GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Akash Systems Recent Developments/Updates
 - 7.12.6 Akash Systems Competitive Strengths & Weaknesses
- 7.13 Texas Instruments
 - 7.13.1 Texas Instruments Details
 - 7.13.2 Texas Instruments Major Business
 - 7.13.3 Texas Instruments GaN RF Front End Product and Services
 - 7.13.4 Texas Instruments GaN RF Front End Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.13.5 Texas Instruments Recent Developments/Updates
 - 7.13.6 Texas Instruments Competitive Strengths & Weaknesses
- 7.14 Infineon Technologies AG
 - 7.14.1 Infineon Technologies AG Details
 - 7.14.2 Infineon Technologies AG Major Business
 - 7.14.3 Infineon Technologies AG GaN RF Front End Product and Services
 - 7.14.4 Infineon Technologies AG GaN RF Front End Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.14.5 Infineon Technologies AG Recent Developments/Updates

7.14.6 Infineon Technologies AG Competitive Strengths & Weaknesses

7.15 Ampleon

7.15.1 Ampleon Details

7.15.2 Ampleon Major Business

7.15.3 Ampleon GaN RF Front End Product and Services

7.15.4 Ampleon GaN RF Front End Production, Price, Value, Gross Margin and

Market Share (2018-2023)

7.15.5 Ampleon Recent Developments/Updates

7.15.6 Ampleon Competitive Strengths & Weaknesses

7.16 Wolfspeed

7.16.1 Wolfspeed Details

7.16.2 Wolfspeed Major Business

7.16.3 Wolfspeed GaN RF Front End Product and Services

7.16.4 Wolfspeed GaN RF Front End Production, Price, Value, Gross Margin and

Market Share (2018-2023)

7.16.5 Wolfspeed Recent Developments/Updates

7.16.6 Wolfspeed Competitive Strengths & Weaknesses

7.17 ADI

7.17.1 ADI Details

7.17.2 ADI Major Business

7.17.3 ADI GaN RF Front End Product and Services

7.17.4 ADI GaN RF Front End Production, Price, Value, Gross Margin and Market

Share (2018-2023)

7.17.5 ADI Recent Developments/Updates

7.17.6 ADI Competitive Strengths & Weaknesses

7.18 Bowei Integrated Circuit Co., Ltd.

7.18.1 Bowei Integrated Circuit Co., Ltd. Details

7.18.2 Bowei Integrated Circuit Co., Ltd. Major Business

7.18.3 Bowei Integrated Circuit Co., Ltd. GaN RF Front End Product and Services

7.18.4 Bowei Integrated Circuit Co., Ltd. GaN RF Front End Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.18.5 Bowei Integrated Circuit Co., Ltd. Recent Developments/Updates

7.18.6 Bowei Integrated Circuit Co., Ltd. Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 GaN RF Front End Industry Chain

- 8.2 GaN RF Front End Upstream Analysis
 - 8.2.1 GaN RF Front End Core Raw Materials
 - 8.2.2 Main Manufacturers of GaN RF Front End Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 GaN RF Front End Production Mode
- 8.6 GaN RF Front End Procurement Model
- 8.7 GaN RF Front End Industry Sales Model and Sales Channels
 - 8.7.1 GaN RF Front End Sales Model
 - 8.7.2 GaN RF Front End Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World GaN RF Front End Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World GaN RF Front End Production Value by Region (2018-2023) & (USD Million)
- Table 3. World GaN RF Front End Production Value by Region (2024-2029) & (USD Million)
- Table 4. World GaN RF Front End Production Value Market Share by Region (2018-2023)
- Table 5. World GaN RF Front End Production Value Market Share by Region (2024-2029)
- Table 6. World GaN RF Front End Production by Region (2018-2023) & (K Units)
- Table 7. World GaN RF Front End Production by Region (2024-2029) & (K Units)
- Table 8. World GaN RF Front End Production Market Share by Region (2018-2023)
- Table 9. World GaN RF Front End Production Market Share by Region (2024-2029)
- Table 10. World GaN RF Front End Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World GaN RF Front End Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. GaN RF Front End Major Market Trends
- Table 13. World GaN RF Front End Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)
- Table 14. World GaN RF Front End Consumption by Region (2018-2023) & (K Units)
- Table 15. World GaN RF Front End Consumption Forecast by Region (2024-2029) & (K Units)
- Table 16. World GaN RF Front End Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key GaN RF Front End Producers in 2022
- Table 18. World GaN RF Front End Production by Manufacturer (2018-2023) & (K Units)
- Table 19. Production Market Share of Key GaN RF Front End Producers in 2022
- Table 20. World GaN RF Front End Average Price by Manufacturer (2018-2023) & (US\$/Unit)
- Table 21. Global GaN RF Front End Company Evaluation Quadrant
- Table 22. World GaN RF Front End Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and GaN RF Front End Production Site of Key Manufacturer
- Table 24. GaN RF Front End Market: Company Product Type Footprint

- Table 25. GaN RF Front End Market: Company Product Application Footprint
- Table 26. GaN RF Front End Competitive Factors
- Table 27. GaN RF Front End New Entrant and Capacity Expansion Plans
- Table 28. GaN RF Front End Mergers & Acquisitions Activity
- Table 29. United States VS China GaN RF Front End Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China GaN RF Front End Production Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 31. United States VS China GaN RF Front End Consumption Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 32. United States Based GaN RF Front End Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers GaN RF Front End Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers GaN RF Front End Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers GaN RF Front End Production (2018-2023) & (K Units)
- Table 36. United States Based Manufacturers GaN RF Front End Production Market Share (2018-2023)
- Table 37. China Based GaN RF Front End Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers GaN RF Front End Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers GaN RF Front End Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers GaN RF Front End Production (2018-2023) & (K Units)
- Table 41. China Based Manufacturers GaN RF Front End Production Market Share (2018-2023)
- Table 42. Rest of World Based GaN RF Front End Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers GaN RF Front End Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers GaN RF Front End Production Value Market Share (2018-2023)
- Table 45. Rest of World Based Manufacturers GaN RF Front End Production (2018-2023) & (K Units)
- Table 46. Rest of World Based Manufacturers GaN RF Front End Production Market

Share (2018-2023)

Table 47. World GaN RF Front End Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World GaN RF Front End Production by Type (2018-2023) & (K Units)

Table 49. World GaN RF Front End Production by Type (2024-2029) & (K Units)

Table 50. World GaN RF Front End Production Value by Type (2018-2023) & (USD Million)

Table 51. World GaN RF Front End Production Value by Type (2024-2029) & (USD Million)

Table 52. World GaN RF Front End Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World GaN RF Front End Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World GaN RF Front End Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World GaN RF Front End Production by Application (2018-2023) & (K Units)

Table 56. World GaN RF Front End Production by Application (2024-2029) & (K Units)

Table 57. World GaN RF Front End Production Value by Application (2018-2023) & (USD Million)

Table 58. World GaN RF Front End Production Value by Application (2024-2029) & (USD Million)

Table 59. World GaN RF Front End Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World GaN RF Front End Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Qualcomm Basic Information, Manufacturing Base and Competitors

Table 62. Qualcomm Major Business

Table 63. Qualcomm GaN RF Front End Product and Services

Table 64. Qualcomm GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Qualcomm Recent Developments/Updates

Table 66. Qualcomm Competitive Strengths & Weaknesses

Table 67. Qorvo Basic Information, Manufacturing Base and Competitors

Table 68. Qorvo Major Business

Table 69. Qorvo GaN RF Front End Product and Services

Table 70. Qorvo GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Qorvo Recent Developments/Updates

Table 72. Qorvo Competitive Strengths & Weaknesses

Table 73. Skyworks Solutions Inc. Basic Information, Manufacturing Base and Competitors

- Table 74. Skyworks Solutions Inc. Major Business
- Table 75. Skyworks Solutions Inc. GaN RF Front End Product and Services
- Table 76. Skyworks Solutions Inc. GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Skyworks Solutions Inc. Recent Developments/Updates
- Table 78. Skyworks Solutions Inc. Competitive Strengths & Weaknesses
- Table 79. NXP Basic Information, Manufacturing Base and Competitors
- Table 80. NXP Major Business
- Table 81. NXP GaN RF Front End Product and Services
- Table 82. NXP GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. NXP Recent Developments/Updates
- Table 84. NXP Competitive Strengths & Weaknesses
- Table 85. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 86. STMicroelectronics Major Business
- Table 87. STMicroelectronics GaN RF Front End Product and Services
- Table 88. STMicroelectronics GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. STMicroelectronics Recent Developments/Updates
- Table 90. STMicroelectronics Competitive Strengths & Weaknesses
- Table 91. Macom Basic Information, Manufacturing Base and Competitors
- Table 92. Macom Major Business
- Table 93. Macom GaN RF Front End Product and Services
- Table 94. Macom GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Macom Recent Developments/Updates
- Table 96. Macom Competitive Strengths & Weaknesses
- Table 97. Innoscience Basic Information, Manufacturing Base and Competitors
- Table 98. Innoscience Major Business
- Table 99. Innoscience GaN RF Front End Product and Services
- Table 100. Innoscience GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Innoscience Recent Developments/Updates
- Table 102. Innoscience Competitive Strengths & Weaknesses
- Table 103. Sumitomo Electric Basic Information, Manufacturing Base and Competitors
- Table 104. Sumitomo Electric Major Business
- Table 105. Sumitomo Electric GaN RF Front End Product and Services
- Table 106. Sumitomo Electric GaN RF Front End Production (K Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Sumitomo Electric Recent Developments/Updates

Table 108. Sumitomo Electric Competitive Strengths & Weaknesses

Table 109. Cree Basic Information, Manufacturing Base and Competitors

Table 110. Cree Major Business

Table 111. Cree GaN RF Front End Product and Services

Table 112. Cree GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Cree Recent Developments/Updates

Table 114. Cree Competitive Strengths & Weaknesses

Table 115. RFHIC Basic Information, Manufacturing Base and Competitors

Table 116. RFHIC Major Business

Table 117. RFHIC GaN RF Front End Product and Services

Table 118. RFHIC GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. RFHIC Recent Developments/Updates

Table 120. RFHIC Competitive Strengths & Weaknesses

Table 121. Win Semiconductors Basic Information, Manufacturing Base and Competitors

Table 122. Win Semiconductors Major Business

Table 123. Win Semiconductors GaN RF Front End Product and Services

Table 124. Win Semiconductors GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Win Semiconductors Recent Developments/Updates

Table 126. Win Semiconductors Competitive Strengths & Weaknesses

Table 127. Akash Systems Basic Information, Manufacturing Base and Competitors

Table 128. Akash Systems Major Business

Table 129. Akash Systems GaN RF Front End Product and Services

Table 130. Akash Systems GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Akash Systems Recent Developments/Updates

Table 132. Akash Systems Competitive Strengths & Weaknesses

Table 133. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 134. Texas Instruments Major Business

Table 135. Texas Instruments GaN RF Front End Product and Services

Table 136. Texas Instruments GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 137. Texas Instruments Recent Developments/Updates
- Table 138. Texas Instruments Competitive Strengths & Weaknesses
- Table 139. Infineon Technologies AG Basic Information, Manufacturing Base and Competitors
- Table 140. Infineon Technologies AG Major Business
- Table 141. Infineon Technologies AG GaN RF Front End Product and Services
- Table 142. Infineon Technologies AG GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Infineon Technologies AG Recent Developments/Updates
- Table 144. Infineon Technologies AG Competitive Strengths & Weaknesses
- Table 145. Ampleon Basic Information, Manufacturing Base and Competitors
- Table 146. Ampleon Major Business
- Table 147. Ampleon GaN RF Front End Product and Services
- Table 148. Ampleon GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. Ampleon Recent Developments/Updates
- Table 150. Ampleon Competitive Strengths & Weaknesses
- Table 151. Wolfspeed Basic Information, Manufacturing Base and Competitors
- Table 152. Wolfspeed Major Business
- Table 153. Wolfspeed GaN RF Front End Product and Services
- Table 154. Wolfspeed GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 155. Wolfspeed Recent Developments/Updates
- Table 156. Wolfspeed Competitive Strengths & Weaknesses
- Table 157. ADI Basic Information, Manufacturing Base and Competitors
- Table 158. ADI Major Business
- Table 159. ADI GaN RF Front End Product and Services
- Table 160. ADI GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 161. ADI Recent Developments/Updates
- Table 162. Bowei Integrated Circuit Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 163. Bowei Integrated Circuit Co., Ltd. Major Business
- Table 164. Bowei Integrated Circuit Co., Ltd. GaN RF Front End Product and Services
- Table 165. Bowei Integrated Circuit Co., Ltd. GaN RF Front End Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 166. Global Key Players of GaN RF Front End Upstream (Raw Materials)

Table 167. GaN RF Front End Typical Customers

Table 168. GaN RF Front End Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. GaN RF Front End Picture

Figure 2. World GaN RF Front End Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World GaN RF Front End Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World GaN RF Front End Production (2018-2029) & (K Units)

Figure 5. World GaN RF Front End Average Price (2018-2029) & (US\$/Unit)

Figure 6. World GaN RF Front End Production Value Market Share by Region (2018-2029)

Figure 7. World GaN RF Front End Production Market Share by Region (2018-2029)

Figure 8. North America GaN RF Front End Production (2018-2029) & (K Units)

Figure 9. Europe GaN RF Front End Production (2018-2029) & (K Units)

Figure 10. China GaN RF Front End Production (2018-2029) & (K Units)

Figure 11. Japan GaN RF Front End Production (2018-2029) & (K Units)

Figure 12. South Korea GaN RF Front End Production (2018-2029) & (K Units)

Figure 13. GaN RF Front End Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 16. World GaN RF Front End Consumption Market Share by Region (2018-2029)

Figure 17. United States GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 18. China GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 19. Europe GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 20. Japan GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 21. South Korea GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 22. ASEAN GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 23. India GaN RF Front End Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of GaN RF Front End by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for GaN RF Front End Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for GaN RF Front End Markets in 2022

Figure 27. United States VS China: GaN RF Front End Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: GaN RF Front End Production Market Share

Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: GaN RF Front End Consumption Market Share

Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers GaN RF Front End Production Market Share 2022

Figure 31. China Based Manufacturers GaN RF Front End Production Market Share 2022

Figure 32. Rest of World Based Manufacturers GaN RF Front End Production Market Share 2022

Figure 33. World GaN RF Front End Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World GaN RF Front End Production Value Market Share by Type in 2022

Figure 35. GaN-on-SiC

Figure 36. GaN-on-Si

Figure 37. GaN-on-Diamond

Figure 38. World GaN RF Front End Production Market Share by Type (2018-2029)

Figure 39. World GaN RF Front End Production Value Market Share by Type (2018-2029)

Figure 40. World GaN RF Front End Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World GaN RF Front End Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World GaN RF Front End Production Value Market Share by Application in 2022

Figure 43. 5G Radio Access Networks

Figure 44. Satellite Communications

Figure 45. Radar System

Figure 46. World GaN RF Front End Production Market Share by Application (2018-2029)

Figure 47. World GaN RF Front End Production Value Market Share by Application (2018-2029)

Figure 48. World GaN RF Front End Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. GaN RF Front End Industry Chain

Figure 50. GaN RF Front End Procurement Model

Figure 51. GaN RF Front End Sales Model

Figure 52. GaN RF Front End Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

I would like to order

Product name: Global GaN RF Front End Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G20B9C001BD3EN.html>

Price: US\$ 4,480.00 (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/G20B9C001BD3EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970