

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G270D45ABF25EN.html>

Date: February 2023

Pages: 102

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

ID: G270D45ABF25EN

Abstracts

Gallium nitride (GaN) is a binary III/V direct bandgap semiconductor. Because GaN transistors can operate at much higher temperatures and work at much higher voltages than gallium arsenide (GaAs) transistors, they make ideal power amplifiers at microwave frequencies. GaN on GaN substrate have homo-substrate as the base whereas the templates have the GaN film over the foreign substrates.

According to our (Global Info Research) latest study, the global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) 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 2023, are provided.

Key Features:

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2018-2029

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2018-2029

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2018-2029

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2018-2023

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 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) 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 Cree Inc., Mitsubishi Chemical, Kyocera Corporation, Plessey Semiconductors and IQE Ipc, etc.

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

Market Segmentation

Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market is split by Type and by Application. For the period 2018-2029, 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

4H-SiC Substrate

6H-SiC Substrate

GaN-on-Si Substrate

Market segment by Application

Consumer Electronics

Communication

Major players covered

Cree Inc.

Mitsubishi Chemical

Kyocera Corporation

Plessey Semiconductors

IQE Ipc

MonoCrystal

Sumco Corp

Sumitomo Electric Industries, Ltd

Hitachi Metals Ltd

DowCorning

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 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication), with price, sales, revenue and global market share of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) from 2018 to 2023.

Chapter 3, the Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication).

Chapter 14 and 15, to describe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Type: 2018 Versus 2022 Versus 2029

1.3.2 4H-SiC Substrate

1.3.3 6H-SiC Substrate

1.3.4 GaN-on-Si Substrate

1.4 Market Analysis by Application

1.4.1 Overview: Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Application: 2018 Versus 2022 Versus 2029

1.4.2 Consumer Electronics

1.4.3 Communication

1.5 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Size & Forecast

1.5.1 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value (2018 & 2022 & 2029)

1.5.2 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (2018-2029)

1.5.3 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price (2018-2029)

2 MANUFACTURERS PROFILES

2.1 Cree Inc.

2.1.1 Cree Inc. Details

2.1.2 Cree Inc. Major Business

2.1.3 Cree Inc. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

2.1.4 Cree Inc. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.1.5 Cree Inc. Recent Developments/Updates

2.2 Mitsubishi Chemical

2.2.1 Mitsubishi Chemical Details

- 2.2.2 Mitsubishi Chemical Major Business
- 2.2.3 Mitsubishi Chemical Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- 2.2.4 Mitsubishi Chemical Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 Mitsubishi Chemical Recent Developments/Updates
- 2.3 Kyocera Corporation
 - 2.3.1 Kyocera Corporation Details
 - 2.3.2 Kyocera Corporation Major Business
 - 2.3.3 Kyocera Corporation Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
 - 2.3.4 Kyocera Corporation Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Kyocera Corporation Recent Developments/Updates
- 2.4 Plessey Semiconductors
 - 2.4.1 Plessey Semiconductors Details
 - 2.4.2 Plessey Semiconductors Major Business
 - 2.4.3 Plessey Semiconductors Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
 - 2.4.4 Plessey Semiconductors Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Plessey Semiconductors Recent Developments/Updates
- 2.5 IQE Ipc
 - 2.5.1 IQE Ipc Details
 - 2.5.2 IQE Ipc Major Business
 - 2.5.3 IQE Ipc Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
 - 2.5.4 IQE Ipc Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 IQE Ipc Recent Developments/Updates
- 2.6 MonoCrystal
 - 2.6.1 MonoCrystal Details
 - 2.6.2 MonoCrystal Major Business
 - 2.6.3 MonoCrystal Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
 - 2.6.4 MonoCrystal Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

Communacation) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 MonoCrystal Recent Developments/Updates

2.7 Sumco Corp

2.7.1 Sumco Corp Details

2.7.2 Sumco Corp Major Business

2.7.3 Sumco Corp Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Product and Services

2.7.4 Sumco Corp Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Sumco Corp Recent Developments/Updates

2.8 Sumitomo Electric Industries, Ltd

2.8.1 Sumitomo Electric Industries, Ltd Details

2.8.2 Sumitomo Electric Industries, Ltd Major Business

2.8.3 Sumitomo Electric Industries, Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Product and Services

2.8.4 Sumitomo Electric Industries, Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Sumitomo Electric Industries, Ltd Recent Developments/Updates

2.9 Hitachi Metals Ltd

2.9.1 Hitachi Metals Ltd Details

2.9.2 Hitachi Metals Ltd Major Business

2.9.3 Hitachi Metals Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Product and Services

2.9.4 Hitachi Metals Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Hitachi Metals Ltd Recent Developments/Updates

2.10 DowCorning

2.10.1 DowCorning Details

2.10.2 DowCorning Major Business

2.10.3 DowCorning Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Product and Services

2.10.4 DowCorning Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 DowCorning Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GALLIUM NITRIDE (GAN) HI-FREQUENCY SUBSTRATE (FOR 5G COMMUNACATION) BY MANUFACTURER

3.1 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Manufacturer (2018-2023)

3.2 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Revenue by Manufacturer (2018-2023)

3.3 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Manufacturer Market Share in 2022

3.4.2 Top 6 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Manufacturer Market Share in 2022

3.5 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Market: Overall Company Footprint Analysis

3.5.1 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Market: Region Footprint

3.5.2 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Market: Company Product Type Footprint

3.5.3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) 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 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Market Size by Region

4.1.1 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Region (2018-2029)

4.1.2 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Region (2018-2029)

4.1.3 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Region (2018-2029)

4.2 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

Communacation) Consumption Value (2018-2029)

4.3 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029)

4.4 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029)

4.5 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029)

4.6 Middle East and Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

5.1 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2018-2029)

5.2 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Type (2018-2029)

5.3 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2018-2029)

6.2 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Application (2018-2029)

6.3 Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2018-2029)

7.2 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2018-2029)

7.3 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Market Size by Country

7.3.1 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Country (2018-2029)

7.3.2 North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

Communication) Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Sales Quantity by Type (2018-2029)

8.2 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Sales Quantity by Application (2018-2029)

8.3 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Market Size by Country

8.3.1 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Sales Quantity by Country (2018-2029)

8.3.2 Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)
Market Size by Region

9.3.1 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G
Communication) Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G
Communication) Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2018-2029)

10.2 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2029)

10.3 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Size by Country

10.3.1 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Country (2018-2029)

10.3.2 South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Size by Country

11.3.1 Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Drivers

12.2 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Restraints

12.3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) 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

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication)

13.3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Production Process

13.4 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Typical Distributors

14.3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) 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 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. Cree Inc. Basic Information, Manufacturing Base and Competitors
- Table 4. Cree Inc. Major Business
- Table 5. Cree Inc. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- Table 6. Cree Inc. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. Cree Inc. Recent Developments/Updates
- Table 8. Mitsubishi Chemical Basic Information, Manufacturing Base and Competitors
- Table 9. Mitsubishi Chemical Major Business
- Table 10. Mitsubishi Chemical Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- Table 11. Mitsubishi Chemical Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. Mitsubishi Chemical Recent Developments/Updates
- Table 13. Kyocera Corporation Basic Information, Manufacturing Base and Competitors
- Table 14. Kyocera Corporation Major Business
- Table 15. Kyocera Corporation Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- Table 16. Kyocera Corporation Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Kyocera Corporation Recent Developments/Updates
- Table 18. Plessey Semiconductors Basic Information, Manufacturing Base and Competitors
- Table 19. Plessey Semiconductors Major Business
- Table 20. Plessey Semiconductors Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- Table 21. Plessey Semiconductors Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD

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

Table 22. Plessey Semiconductors Recent Developments/Updates

Table 23. IQE Ipc Basic Information, Manufacturing Base and Competitors

Table 24. IQE Ipc Major Business

Table 25. IQE Ipc Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

Table 26. IQE Ipc Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. IQE Ipc Recent Developments/Updates

Table 28. MonoCrystal Basic Information, Manufacturing Base and Competitors

Table 29. MonoCrystal Major Business

Table 30. MonoCrystal Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

Table 31. MonoCrystal Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. MonoCrystal Recent Developments/Updates

Table 33. Sumco Corp Basic Information, Manufacturing Base and Competitors

Table 34. Sumco Corp Major Business

Table 35. Sumco Corp Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

Table 36. Sumco Corp Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Sumco Corp Recent Developments/Updates

Table 38. Sumitomo Electric Industries, Ltd Basic Information, Manufacturing Base and Competitors

Table 39. Sumitomo Electric Industries, Ltd Major Business

Table 40. Sumitomo Electric Industries, Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

Table 41. Sumitomo Electric Industries, Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Sumitomo Electric Industries, Ltd Recent Developments/Updates

Table 43. Hitachi Metals Ltd Basic Information, Manufacturing Base and Competitors

Table 44. Hitachi Metals Ltd Major Business

Table 45. Hitachi Metals Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services

- Table 46. Hitachi Metals Ltd Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Hitachi Metals Ltd Recent Developments/Updates
- Table 48. DowCorning Basic Information, Manufacturing Base and Competitors
- Table 49. DowCorning Major Business
- Table 50. DowCorning Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Product and Services
- Table 51. DowCorning Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 52. DowCorning Recent Developments/Updates
- Table 53. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Manufacturer (2018-2023) & (Kilotons)
- Table 54. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Revenue by Manufacturer (2018-2023) & (USD Million)
- Table 55. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Manufacturer (2018-2023) & (US\$/Ton)
- Table 56. Market Position of Manufacturers in Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022
- Table 57. Head Office and Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Production Site of Key Manufacturer
- Table 58. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market: Company Product Type Footprint
- Table 59. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market: Company Product Application Footprint
- Table 60. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) New Market Entrants and Barriers to Market Entry
- Table 61. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Mergers, Acquisition, Agreements, and Collaborations
- Table 62. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Region (2018-2023) & (Kilotons)
- Table 63. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Region (2024-2029) & (Kilotons)
- Table 64. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Region (2018-2023) & (USD Million)
- Table 65. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Region (2024-2029) & (USD Million)

Table 66. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Region (2018-2023) & (US\$/Ton)

Table 67. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Region (2024-2029) & (US\$/Ton)

Table 68. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2018-2023) & (Kilotons)

Table 69. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2024-2029) & (Kilotons)

Table 70. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Type (2018-2023) & (USD Million)

Table 71. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Type (2024-2029) & (USD Million)

Table 72. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Type (2018-2023) & (US\$/Ton)

Table 73. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Type (2024-2029) & (US\$/Ton)

Table 74. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2023) & (Kilotons)

Table 75. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2024-2029) & (Kilotons)

Table 76. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Application (2018-2023) & (USD Million)

Table 77. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Application (2024-2029) & (USD Million)

Table 78. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Application (2018-2023) & (US\$/Ton)

Table 79. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price by Application (2024-2029) & (US\$/Ton)

Table 80. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2018-2023) & (Kilotons)

Table 81. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2024-2029) & (Kilotons)

Table 82. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2023) & (Kilotons)

Table 83. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2024-2029) & (Kilotons)

Table 84. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Country (2018-2023) & (Kilotons)

Table 85. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

- Communacation) Sales Quantity by Country (2024-2029) & (Kilotons)
- Table 86. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Country (2018-2023) & (USD Million)
- Table 87. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Country (2024-2029) & (USD Million)
- Table 88. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2018-2023) & (Kilotons)
- Table 89. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2024-2029) & (Kilotons)
- Table 90. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2018-2023) & (Kilotons)
- Table 91. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2024-2029) & (Kilotons)
- Table 92. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Country (2018-2023) & (Kilotons)
- Table 93. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Country (2024-2029) & (Kilotons)
- Table 94. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Country (2018-2023) & (USD Million)
- Table 95. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Country (2024-2029) & (USD Million)
- Table 96. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2018-2023) & (Kilotons)
- Table 97. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2024-2029) & (Kilotons)
- Table 98. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2018-2023) & (Kilotons)
- Table 99. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Application (2024-2029) & (Kilotons)
- Table 100. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Region (2018-2023) & (Kilotons)
- Table 101. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Region (2024-2029) & (Kilotons)
- Table 102. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Region (2018-2023) & (USD Million)
- Table 103. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value by Region (2024-2029) & (USD Million)
- Table 104. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity by Type (2018-2023) & (Kilotons)

Table 105. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2024-2029) & (Kilotons)

Table 106. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2023) & (Kilotons)

Table 107. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2024-2029) & (Kilotons)

Table 108. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Country (2018-2023) & (Kilotons)

Table 109. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Country (2024-2029) & (Kilotons)

Table 110. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Country (2018-2023) & (USD Million)

Table 111. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Country (2024-2029) & (USD Million)

Table 112. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2018-2023) & (Kilotons)

Table 113. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Type (2024-2029) & (Kilotons)

Table 114. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2018-2023) & (Kilotons)

Table 115. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Application (2024-2029) & (Kilotons)

Table 116. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Region (2018-2023) & (Kilotons)

Table 117. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity by Region (2024-2029) & (Kilotons)

Table 118. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Region (2018-2023) & (USD Million)

Table 119. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Region (2024-2029) & (USD Million)

Table 120. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Raw Material

Table 121. Key Manufacturers of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Raw Materials

Table 122. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Typical Distributors

Table 123. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Picture

Figure 2. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value Market Share by Type in 2022

Figure 4. 4H-SiC Substrate Examples

Figure 5. 6H-SiC Substrate Examples

Figure 6. GaN-on-Si Substrate Examples

Figure 7. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value Market Share by Application in 2022

Figure 9. Consumer Electronics Examples

Figure 10. Communication Examples

Figure 11. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 12. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 13. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity (2018-2029) & (Kilotons)

Figure 14. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Average Price (2018-2029) & (US\$/Ton)

Figure 15. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Manufacturer in 2022

Figure 16. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value Market Share by Manufacturer in 2022

Figure 17. Producer Shipments of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 18. Top 3 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Manufacturer (Consumption Value) Market Share in 2022

Figure 19. Top 6 Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Region (2018-2029)

Figure 21. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

- Communacation) Consumption Value Market Share by Region (2018-2029)
Figure 22. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029) & (USD Million)
Figure 23. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029) & (USD Million)
Figure 24. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029) & (USD Million)
Figure 25. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029) & (USD Million)
Figure 26. Middle East & Africa Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value (2018-2029) & (USD Million)
Figure 27. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Type (2018-2029)
Figure 28. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value Market Share by Type (2018-2029)
Figure 29. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Type (2018-2029) & (US\$/Ton)
Figure 30. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Application (2018-2029)
Figure 31. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value Market Share by Application (2018-2029)
Figure 32. Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Average Price by Application (2018-2029) & (US\$/Ton)
Figure 33. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Type (2018-2029)
Figure 34. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Application (2018-2029)
Figure 35. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Country (2018-2029)
Figure 36. North America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value Market Share by Country (2018-2029)
Figure 37. United States Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 38. Canada Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 39. Mexico Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)
Figure 40. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communacation) Sales Quantity Market Share by Type (2018-2029)

- Figure 41. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Application (2018-2029)
- Figure 42. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Country (2018-2029)
- Figure 43. Europe Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value Market Share by Country (2018-2029)
- Figure 44. Germany Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 45. France Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 46. United Kingdom Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 47. Russia Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 48. Italy Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 49. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Type (2018-2029)
- Figure 50. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Application (2018-2029)
- Figure 51. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Region (2018-2029)
- Figure 52. Asia-Pacific Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value Market Share by Region (2018-2029)
- Figure 53. China Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 54. Japan Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 55. Korea Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 56. India Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 57. Southeast Asia Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 58. Australia Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 59. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Sales Quantity Market Share by Type (2018-2029)
- Figure 60. South America Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G

Communacation) Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Sales Quantity Market Share by Country (2018-2029)

Figure 62. South America Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Sales Quantity Market Share by Type (2018-2029)

Figure 66. Middle East & Africa Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Market Drivers

Figure 74. Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Market Restraints

Market Restraints

Figure 75. Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Market Trends

Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) in 2022

Figure 78. Manufacturing Process Analysis of Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation)

Figure 79. Gallium Nitride (GaN) Hi-Frequncy Substrate (for 5G Communacation) Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

- Figure 81. Direct Channel Pros & Cons
- Figure 82. Indirect Channel Pros & Cons
- Figure 83. Methodology
- Figure 84. Research Process and Data Source

I would like to order

Product name: Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G270D45ABF25EN.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/G270D45ABF25EN.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

