

Global GaN HEMT Transistors Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global GaN HEMT Transistors 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.

GaN-based high-electron-mobility transistors (HEMTs) are superior to conventional silicon (Si) based devices in terms of switching frequency, power rating, thermal capability and efficiency, which are crucial factors to enhance the performances of advanced power converters. This paper addresses some fundamental issues concerning intrinsic features of GaN material and key technology in practical application of GaN-based power switching devices.

This report is a detailed and comprehensive analysis for global GaN HEMT Transistors 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 GaN HEMT Transistors market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2018-2029

Global GaN HEMT Transistors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2018-2029

Global GaN HEMT Transistors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2018-2029

Global GaN HEMT Transistors market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/K Units), 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 GaN HEMT Transistors

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 GaN HEMT Transistors 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 Infineon Technologies, STMicroelectronics, Wolfspeed, Qorvo and Toshiba, 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

GaN HEMT Transistors 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

LV GaN HEMT Transistors

HV GaN HEMT Transistors

Market segment by Application

Automotive

Consumer Electronics

Industrial

Datacom & Telecom

Others

Major players covered

Infineon Technologies

STMicroelectronics

Wolfspeed

Qorvo

Toshiba

GaN Systems

Mitsubishi Electric

Teledyne Defense Electronics

Innoscence

Transphorm

Cambridge GaN Devices

Navitas Semiconductor

Ampleon

Sumitomo Electric

ROHM

PN Junction Semiconductor

Shanghai Cool Semiconductor

Chengdu Danxi Technology

GaNext

KCB Solutions

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 GaN HEMT Transistors product scope, market overview, market

estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GaN HEMT Transistors, with price, sales, revenue and global market share of GaN HEMT Transistors from 2018 to 2023.

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

Chapter 4, the GaN HEMT Transistors 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 GaN HEMT Transistors 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 GaN HEMT Transistors.

Chapter 14 and 15, to describe GaN HEMT Transistors sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of GaN HEMT Transistors
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global GaN HEMT Transistors Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 LV GaN HEMT Transistors
 - 1.3.3 HV GaN HEMT Transistors
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global GaN HEMT Transistors Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Automotive
 - 1.4.3 Consumer Electronics
 - 1.4.4 Industrial
 - 1.4.5 Datacom & Telecom
 - 1.4.6 Others
- 1.5 Global GaN HEMT Transistors Market Size & Forecast
 - 1.5.1 Global GaN HEMT Transistors Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global GaN HEMT Transistors Sales Quantity (2018-2029)
 - 1.5.3 Global GaN HEMT Transistors Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Infineon Technologies
 - 2.1.1 Infineon Technologies Details
 - 2.1.2 Infineon Technologies Major Business
 - 2.1.3 Infineon Technologies GaN HEMT Transistors Product and Services
 - 2.1.4 Infineon Technologies GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Infineon Technologies Recent Developments/Updates
- 2.2 STMicroelectronics
 - 2.2.1 STMicroelectronics Details
 - 2.2.2 STMicroelectronics Major Business
 - 2.2.3 STMicroelectronics GaN HEMT Transistors Product and Services
 - 2.2.4 STMicroelectronics GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.2.5 STMicroelectronics Recent Developments/Updates
- 2.3 Wolfspeed
 - 2.3.1 Wolfspeed Details
 - 2.3.2 Wolfspeed Major Business
 - 2.3.3 Wolfspeed GaN HEMT Transistors Product and Services
 - 2.3.4 Wolfspeed GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Wolfspeed Recent Developments/Updates
- 2.4 Qorvo
 - 2.4.1 Qorvo Details
 - 2.4.2 Qorvo Major Business
 - 2.4.3 Qorvo GaN HEMT Transistors Product and Services
 - 2.4.4 Qorvo GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Qorvo Recent Developments/Updates
- 2.5 Toshiba
 - 2.5.1 Toshiba Details
 - 2.5.2 Toshiba Major Business
 - 2.5.3 Toshiba GaN HEMT Transistors Product and Services
 - 2.5.4 Toshiba GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Toshiba Recent Developments/Updates
- 2.6 GaN Systems
 - 2.6.1 GaN Systems Details
 - 2.6.2 GaN Systems Major Business
 - 2.6.3 GaN Systems GaN HEMT Transistors Product and Services
 - 2.6.4 GaN Systems GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 GaN Systems Recent Developments/Updates
- 2.7 Mitsubishi Electric
 - 2.7.1 Mitsubishi Electric Details
 - 2.7.2 Mitsubishi Electric Major Business
 - 2.7.3 Mitsubishi Electric GaN HEMT Transistors Product and Services
 - 2.7.4 Mitsubishi Electric GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.7.5 Mitsubishi Electric Recent Developments/Updates
- 2.8 Teledyne Defense Electronics
 - 2.8.1 Teledyne Defense Electronics Details
 - 2.8.2 Teledyne Defense Electronics Major Business

- 2.8.3 Teledyne Defense Electronics GaN HEMT Transistors Product and Services
- 2.8.4 Teledyne Defense Electronics GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Teledyne Defense Electronics Recent Developments/Updates
- 2.9 Innoscience
 - 2.9.1 Innoscience Details
 - 2.9.2 Innoscience Major Business
 - 2.9.3 Innoscience GaN HEMT Transistors Product and Services
 - 2.9.4 Innoscience GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.9.5 Innoscience Recent Developments/Updates
- 2.10 Transphorm
 - 2.10.1 Transphorm Details
 - 2.10.2 Transphorm Major Business
 - 2.10.3 Transphorm GaN HEMT Transistors Product and Services
 - 2.10.4 Transphorm GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.10.5 Transphorm Recent Developments/Updates
- 2.11 Cambridge GaN Devices
 - 2.11.1 Cambridge GaN Devices Details
 - 2.11.2 Cambridge GaN Devices Major Business
 - 2.11.3 Cambridge GaN Devices GaN HEMT Transistors Product and Services
 - 2.11.4 Cambridge GaN Devices GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.11.5 Cambridge GaN Devices Recent Developments/Updates
- 2.12 Navitas Semiconductor
 - 2.12.1 Navitas Semiconductor Details
 - 2.12.2 Navitas Semiconductor Major Business
 - 2.12.3 Navitas Semiconductor GaN HEMT Transistors Product and Services
 - 2.12.4 Navitas Semiconductor GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.12.5 Navitas Semiconductor Recent Developments/Updates
- 2.13 Ampleon
 - 2.13.1 Ampleon Details
 - 2.13.2 Ampleon Major Business
 - 2.13.3 Ampleon GaN HEMT Transistors Product and Services
 - 2.13.4 Ampleon GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.13.5 Ampleon Recent Developments/Updates

2.14 Sumitomo Electric

2.14.1 Sumitomo Electric Details

2.14.2 Sumitomo Electric Major Business

2.14.3 Sumitomo Electric GaN HEMT Transistors Product and Services

2.14.4 Sumitomo Electric GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 Sumitomo Electric Recent Developments/Updates

2.15 ROHM

2.15.1 ROHM Details

2.15.2 ROHM Major Business

2.15.3 ROHM GaN HEMT Transistors Product and Services

2.15.4 ROHM GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 ROHM Recent Developments/Updates

2.16 PN Junction Semiconductor

2.16.1 PN Junction Semiconductor Details

2.16.2 PN Junction Semiconductor Major Business

2.16.3 PN Junction Semiconductor GaN HEMT Transistors Product and Services

2.16.4 PN Junction Semiconductor GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 PN Junction Semiconductor Recent Developments/Updates

2.17 Shanghai Cool Semiconductor

2.17.1 Shanghai Cool Semiconductor Details

2.17.2 Shanghai Cool Semiconductor Major Business

2.17.3 Shanghai Cool Semiconductor GaN HEMT Transistors Product and Services

2.17.4 Shanghai Cool Semiconductor GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.17.5 Shanghai Cool Semiconductor Recent Developments/Updates

2.18 Chengdu Danxi Technology

2.18.1 Chengdu Danxi Technology Details

2.18.2 Chengdu Danxi Technology Major Business

2.18.3 Chengdu Danxi Technology GaN HEMT Transistors Product and Services

2.18.4 Chengdu Danxi Technology GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.18.5 Chengdu Danxi Technology Recent Developments/Updates

2.19 GaNext

2.19.1 GaNext Details

2.19.2 GaNext Major Business

2.19.3 GaNext GaN HEMT Transistors Product and Services

2.19.4 GaNext GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.19.5 GaNext Recent Developments/Updates

2.20 KCB Solutions

2.20.1 KCB Solutions Details

2.20.2 KCB Solutions Major Business

2.20.3 KCB Solutions GaN HEMT Transistors Product and Services

2.20.4 KCB Solutions GaN HEMT Transistors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.20.5 KCB Solutions Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GAN HEMT TRANSISTORS BY MANUFACTURER

3.1 Global GaN HEMT Transistors Sales Quantity by Manufacturer (2018-2023)

3.2 Global GaN HEMT Transistors Revenue by Manufacturer (2018-2023)

3.3 Global GaN HEMT Transistors Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of GaN HEMT Transistors by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 GaN HEMT Transistors Manufacturer Market Share in 2022

3.4.2 Top 6 GaN HEMT Transistors Manufacturer Market Share in 2022

3.5 GaN HEMT Transistors Market: Overall Company Footprint Analysis

3.5.1 GaN HEMT Transistors Market: Region Footprint

3.5.2 GaN HEMT Transistors Market: Company Product Type Footprint

3.5.3 GaN HEMT Transistors 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 GaN HEMT Transistors Market Size by Region

4.1.1 Global GaN HEMT Transistors Sales Quantity by Region (2018-2029)

4.1.2 Global GaN HEMT Transistors Consumption Value by Region (2018-2029)

4.1.3 Global GaN HEMT Transistors Average Price by Region (2018-2029)

4.2 North America GaN HEMT Transistors Consumption Value (2018-2029)

4.3 Europe GaN HEMT Transistors Consumption Value (2018-2029)

4.4 Asia-Pacific GaN HEMT Transistors Consumption Value (2018-2029)

4.5 South America GaN HEMT Transistors Consumption Value (2018-2029)

4.6 Middle East and Africa GaN HEMT Transistors Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

5.1 Global GaN HEMT Transistors Sales Quantity by Type (2018-2029)

5.2 Global GaN HEMT Transistors Consumption Value by Type (2018-2029)

5.3 Global GaN HEMT Transistors Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

6.1 Global GaN HEMT Transistors Sales Quantity by Application (2018-2029)

6.2 Global GaN HEMT Transistors Consumption Value by Application (2018-2029)

6.3 Global GaN HEMT Transistors Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America GaN HEMT Transistors Sales Quantity by Type (2018-2029)

7.2 North America GaN HEMT Transistors Sales Quantity by Application (2018-2029)

7.3 North America GaN HEMT Transistors Market Size by Country

7.3.1 North America GaN HEMT Transistors Sales Quantity by Country (2018-2029)

7.3.2 North America GaN HEMT Transistors 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 GaN HEMT Transistors Sales Quantity by Type (2018-2029)

8.2 Europe GaN HEMT Transistors Sales Quantity by Application (2018-2029)

8.3 Europe GaN HEMT Transistors Market Size by Country

8.3.1 Europe GaN HEMT Transistors Sales Quantity by Country (2018-2029)

8.3.2 Europe GaN HEMT Transistors 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 GaN HEMT Transistors Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific GaN HEMT Transistors Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific GaN HEMT Transistors Market Size by Region
 - 9.3.1 Asia-Pacific GaN HEMT Transistors Sales Quantity by Region (2018-2029)
 - 9.3.2 Asia-Pacific GaN HEMT Transistors 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 GaN HEMT Transistors Sales Quantity by Type (2018-2029)
- 10.2 South America GaN HEMT Transistors Sales Quantity by Application (2018-2029)
- 10.3 South America GaN HEMT Transistors Market Size by Country
 - 10.3.1 South America GaN HEMT Transistors Sales Quantity by Country (2018-2029)
 - 10.3.2 South America GaN HEMT Transistors 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 GaN HEMT Transistors Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa GaN HEMT Transistors Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa GaN HEMT Transistors Market Size by Country
 - 11.3.1 Middle East & Africa GaN HEMT Transistors Sales Quantity by Country (2018-2029)
 - 11.3.2 Middle East & Africa GaN HEMT Transistors 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 GaN HEMT Transistors Market Drivers
- 12.2 GaN HEMT Transistors Market Restraints
- 12.3 GaN HEMT Transistors 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 GaN HEMT Transistors and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of GaN HEMT Transistors
- 13.3 GaN HEMT Transistors Production Process
- 13.4 GaN HEMT Transistors Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 GaN HEMT Transistors Typical Distributors
- 14.3 GaN HEMT Transistors 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 GaN HEMT Transistors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global GaN HEMT Transistors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 4. Infineon Technologies Major Business

Table 5. Infineon Technologies GaN HEMT Transistors Product and Services

Table 6. Infineon Technologies GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Infineon Technologies Recent Developments/Updates

Table 8. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 9. STMicroelectronics Major Business

Table 10. STMicroelectronics GaN HEMT Transistors Product and Services

Table 11. STMicroelectronics GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. STMicroelectronics Recent Developments/Updates

Table 13. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 14. Wolfspeed Major Business

Table 15. Wolfspeed GaN HEMT Transistors Product and Services

Table 16. Wolfspeed GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Wolfspeed Recent Developments/Updates

Table 18. Qorvo Basic Information, Manufacturing Base and Competitors

Table 19. Qorvo Major Business

Table 20. Qorvo GaN HEMT Transistors Product and Services

Table 21. Qorvo GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Qorvo Recent Developments/Updates

Table 23. Toshiba Basic Information, Manufacturing Base and Competitors

Table 24. Toshiba Major Business

Table 25. Toshiba GaN HEMT Transistors Product and Services

Table 26. Toshiba GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Toshiba Recent Developments/Updates

Table 28. GaN Systems Basic Information, Manufacturing Base and Competitors

Table 29. GaN Systems Major Business

Table 30. GaN Systems GaN HEMT Transistors Product and Services

Table 31. GaN Systems GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. GaN Systems Recent Developments/Updates

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

Table 34. Mitsubishi Electric Major Business

Table 35. Mitsubishi Electric GaN HEMT Transistors Product and Services

Table 36. Mitsubishi Electric GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Mitsubishi Electric Recent Developments/Updates

Table 38. Teledyne Defense Electronics Basic Information, Manufacturing Base and Competitors

Table 39. Teledyne Defense Electronics Major Business

Table 40. Teledyne Defense Electronics GaN HEMT Transistors Product and Services

Table 41. Teledyne Defense Electronics GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Teledyne Defense Electronics Recent Developments/Updates

Table 43. Innoscience Basic Information, Manufacturing Base and Competitors

Table 44. Innoscience Major Business

Table 45. Innoscience GaN HEMT Transistors Product and Services

Table 46. Innoscience GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Innoscience Recent Developments/Updates

Table 48. Transphorm Basic Information, Manufacturing Base and Competitors

Table 49. Transphorm Major Business

Table 50. Transphorm GaN HEMT Transistors Product and Services

Table 51. Transphorm GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Transphorm Recent Developments/Updates

Table 53. Cambridge GaN Devices Basic Information, Manufacturing Base and Competitors

Table 54. Cambridge GaN Devices Major Business

Table 55. Cambridge GaN Devices GaN HEMT Transistors Product and Services

Table 56. Cambridge GaN Devices GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Cambridge GaN Devices Recent Developments/Updates

Table 58. Navitas Semiconductor Basic Information, Manufacturing Base and Competitors

Table 59. Navitas Semiconductor Major Business

Table 60. Navitas Semiconductor GaN HEMT Transistors Product and Services

Table 61. Navitas Semiconductor GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Navitas Semiconductor Recent Developments/Updates

Table 63. Ampleon Basic Information, Manufacturing Base and Competitors

Table 64. Ampleon Major Business

Table 65. Ampleon GaN HEMT Transistors Product and Services

Table 66. Ampleon GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Ampleon Recent Developments/Updates

Table 68. Sumitomo Electric Basic Information, Manufacturing Base and Competitors

Table 69. Sumitomo Electric Major Business

Table 70. Sumitomo Electric GaN HEMT Transistors Product and Services

Table 71. Sumitomo Electric GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. Sumitomo Electric Recent Developments/Updates

Table 73. ROHM Basic Information, Manufacturing Base and Competitors

Table 74. ROHM Major Business

Table 75. ROHM GaN HEMT Transistors Product and Services

Table 76. ROHM GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. ROHM Recent Developments/Updates

Table 78. PN Junction Semiconductor Basic Information, Manufacturing Base and Competitors

Table 79. PN Junction Semiconductor Major Business

Table 80. PN Junction Semiconductor GaN HEMT Transistors Product and Services

Table 81. PN Junction Semiconductor GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. PN Junction Semiconductor Recent Developments/Updates

Table 83. Shanghai Cool Semiconductor Basic Information, Manufacturing Base and Competitors

Table 84. Shanghai Cool Semiconductor Major Business

Table 85. Shanghai Cool Semiconductor GaN HEMT Transistors Product and Services

Table 86. Shanghai Cool Semiconductor GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Shanghai Cool Semiconductor Recent Developments/Updates

Table 88. Chengdu Danxi Technology Basic Information, Manufacturing Base and Competitors

Table 89. Chengdu Danxi Technology Major Business

Table 90. Chengdu Danxi Technology GaN HEMT Transistors Product and Services

Table 91. Chengdu Danxi Technology GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Chengdu Danxi Technology Recent Developments/Updates

Table 93. GaNext Basic Information, Manufacturing Base and Competitors

Table 94. GaNext Major Business

Table 95. GaNext GaN HEMT Transistors Product and Services

Table 96. GaNext GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 97. GaNext Recent Developments/Updates

Table 98. KCB Solutions Basic Information, Manufacturing Base and Competitors

Table 99. KCB Solutions Major Business

Table 100. KCB Solutions GaN HEMT Transistors Product and Services

Table 101. KCB Solutions GaN HEMT Transistors Sales Quantity (M Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 102. KCB Solutions Recent Developments/Updates

Table 103. Global GaN HEMT Transistors Sales Quantity by Manufacturer (2018-2023) & (M Units)

Table 104. Global GaN HEMT Transistors Revenue by Manufacturer (2018-2023) & (USD Million)

Table 105. Global GaN HEMT Transistors Average Price by Manufacturer (2018-2023) & (US\$/K Units)

Table 106. Market Position of Manufacturers in GaN HEMT Transistors, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 107. Head Office and GaN HEMT Transistors Production Site of Key Manufacturer

Table 108. GaN HEMT Transistors Market: Company Product Type Footprint

Table 109. GaN HEMT Transistors Market: Company Product Application Footprint

Table 110. GaN HEMT Transistors New Market Entrants and Barriers to Market Entry

Table 111. GaN HEMT Transistors Mergers, Acquisition, Agreements, and Collaborations

Table 112. Global GaN HEMT Transistors Sales Quantity by Region (2018-2023) & (M Units)

Table 113. Global GaN HEMT Transistors Sales Quantity by Region (2024-2029) & (M Units)

Table 114. Global GaN HEMT Transistors Consumption Value by Region (2018-2023) & (USD Million)

Table 115. Global GaN HEMT Transistors Consumption Value by Region (2024-2029) & (USD Million)

Table 116. Global GaN HEMT Transistors Average Price by Region (2018-2023) & (US\$/K Units)

Table 117. Global GaN HEMT Transistors Average Price by Region (2024-2029) & (US\$/K Units)

Table 118. Global GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 119. Global GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 120. Global GaN HEMT Transistors Consumption Value by Type (2018-2023) & (USD Million)

Table 121. Global GaN HEMT Transistors Consumption Value by Type (2024-2029) & (USD Million)

Table 122. Global GaN HEMT Transistors Average Price by Type (2018-2023) & (US\$/K Units)

Table 123. Global GaN HEMT Transistors Average Price by Type (2024-2029) & (US\$/K Units)

Table 124. Global GaN HEMT Transistors Sales Quantity by Application (2018-2023) & (M Units)

Table 125. Global GaN HEMT Transistors Sales Quantity by Application (2024-2029) & (M Units)

Table 126. Global GaN HEMT Transistors Consumption Value by Application (2018-2023) & (USD Million)

Table 127. Global GaN HEMT Transistors Consumption Value by Application (2024-2029) & (USD Million)

Table 128. Global GaN HEMT Transistors Average Price by Application (2018-2023) & (US\$/K Units)

Table 129. Global GaN HEMT Transistors Average Price by Application (2024-2029) & (US\$/K Units)

Table 130. North America GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 131. North America GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 132. North America GaN HEMT Transistors Sales Quantity by Application (2018-2023) & (M Units)

Table 133. North America GaN HEMT Transistors Sales Quantity by Application (2024-2029) & (M Units)

Table 134. North America GaN HEMT Transistors Sales Quantity by Country (2018-2023) & (M Units)

Table 135. North America GaN HEMT Transistors Sales Quantity by Country (2024-2029) & (M Units)

Table 136. North America GaN HEMT Transistors Consumption Value by Country (2018-2023) & (USD Million)

Table 137. North America GaN HEMT Transistors Consumption Value by Country (2024-2029) & (USD Million)

Table 138. Europe GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 139. Europe GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 140. Europe GaN HEMT Transistors Sales Quantity by Application (2018-2023) & (M Units)

Table 141. Europe GaN HEMT Transistors Sales Quantity by Application (2024-2029) & (M Units)

Table 142. Europe GaN HEMT Transistors Sales Quantity by Country (2018-2023) & (M Units)

Table 143. Europe GaN HEMT Transistors Sales Quantity by Country (2024-2029) & (M Units)

Table 144. Europe GaN HEMT Transistors Consumption Value by Country (2018-2023) & (USD Million)

Table 145. Europe GaN HEMT Transistors Consumption Value by Country (2024-2029) & (USD Million)

Table 146. Asia-Pacific GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 147. Asia-Pacific GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 148. Asia-Pacific GaN HEMT Transistors Sales Quantity by Application

(2018-2023) & (M Units)

Table 149. Asia-Pacific GaN HEMT Transistors Sales Quantity by Application

(2024-2029) & (M Units)

Table 150. Asia-Pacific GaN HEMT Transistors Sales Quantity by Region (2018-2023) & (M Units)

Table 151. Asia-Pacific GaN HEMT Transistors Sales Quantity by Region (2024-2029) & (M Units)

Table 152. Asia-Pacific GaN HEMT Transistors Consumption Value by Region (2018-2023) & (USD Million)

Table 153. Asia-Pacific GaN HEMT Transistors Consumption Value by Region (2024-2029) & (USD Million)

Table 154. South America GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 155. South America GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 156. South America GaN HEMT Transistors Sales Quantity by Application (2018-2023) & (M Units)

Table 157. South America GaN HEMT Transistors Sales Quantity by Application (2024-2029) & (M Units)

Table 158. South America GaN HEMT Transistors Sales Quantity by Country (2018-2023) & (M Units)

Table 159. South America GaN HEMT Transistors Sales Quantity by Country (2024-2029) & (M Units)

Table 160. South America GaN HEMT Transistors Consumption Value by Country (2018-2023) & (USD Million)

Table 161. South America GaN HEMT Transistors Consumption Value by Country (2024-2029) & (USD Million)

Table 162. Middle East & Africa GaN HEMT Transistors Sales Quantity by Type (2018-2023) & (M Units)

Table 163. Middle East & Africa GaN HEMT Transistors Sales Quantity by Type (2024-2029) & (M Units)

Table 164. Middle East & Africa GaN HEMT Transistors Sales Quantity by Application (2018-2023) & (M Units)

Table 165. Middle East & Africa GaN HEMT Transistors Sales Quantity by Application (2024-2029) & (M Units)

Table 166. Middle East & Africa GaN HEMT Transistors Sales Quantity by Region (2018-2023) & (M Units)

Table 167. Middle East & Africa GaN HEMT Transistors Sales Quantity by Region (2024-2029) & (M Units)

Table 168. Middle East & Africa GaN HEMT Transistors Consumption Value by Region (2018-2023) & (USD Million)

Table 169. Middle East & Africa GaN HEMT Transistors Consumption Value by Region (2024-2029) & (USD Million)

Table 170. GaN HEMT Transistors Raw Material

Table 171. Key Manufacturers of GaN HEMT Transistors Raw Materials

Table 172. GaN HEMT Transistors Typical Distributors

Table 173. GaN HEMT Transistors Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. GaN HEMT Transistors Picture

Figure 2. Global GaN HEMT Transistors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global GaN HEMT Transistors Consumption Value Market Share by Type in 2022

Figure 4. LV GaN HEMT Transistors Examples

Figure 5. HV GaN HEMT Transistors Examples

Figure 6. Global GaN HEMT Transistors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global GaN HEMT Transistors Consumption Value Market Share by Application in 2022

Figure 8. Automotive Examples

Figure 9. Consumer Electronics Examples

Figure 10. Industrial Examples

Figure 11. Datacom & Telecom Examples

Figure 12. Others Examples

Figure 13. Global GaN HEMT Transistors Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 14. Global GaN HEMT Transistors Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 15. Global GaN HEMT Transistors Sales Quantity (2018-2029) & (M Units)

Figure 16. Global GaN HEMT Transistors Average Price (2018-2029) & (US\$/K Units)

Figure 17. Global GaN HEMT Transistors Sales Quantity Market Share by Manufacturer in 2022

Figure 18. Global GaN HEMT Transistors Consumption Value Market Share by Manufacturer in 2022

Figure 19. Producer Shipments of GaN HEMT Transistors by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 20. Top 3 GaN HEMT Transistors Manufacturer (Consumption Value) Market Share in 2022

Figure 21. Top 6 GaN HEMT Transistors Manufacturer (Consumption Value) Market Share in 2022

Figure 22. Global GaN HEMT Transistors Sales Quantity Market Share by Region (2018-2029)

Figure 23. Global GaN HEMT Transistors Consumption Value Market Share by Region

(2018-2029)

Figure 24. North America GaN HEMT Transistors Consumption Value (2018-2029) & (USD Million)

Figure 25. Europe GaN HEMT Transistors Consumption Value (2018-2029) & (USD Million)

Figure 26. Asia-Pacific GaN HEMT Transistors Consumption Value (2018-2029) & (USD Million)

Figure 27. South America GaN HEMT Transistors Consumption Value (2018-2029) & (USD Million)

Figure 28. Middle East & Africa GaN HEMT Transistors Consumption Value (2018-2029) & (USD Million)

Figure 29. Global GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 30. Global GaN HEMT Transistors Consumption Value Market Share by Type (2018-2029)

Figure 31. Global GaN HEMT Transistors Average Price by Type (2018-2029) & (US\$/K Units)

Figure 32. Global GaN HEMT Transistors Sales Quantity Market Share by Application (2018-2029)

Figure 33. Global GaN HEMT Transistors Consumption Value Market Share by Application (2018-2029)

Figure 34. Global GaN HEMT Transistors Average Price by Application (2018-2029) & (US\$/K Units)

Figure 35. North America GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 36. North America GaN HEMT Transistors Sales Quantity Market Share by Application (2018-2029)

Figure 37. North America GaN HEMT Transistors Sales Quantity Market Share by Country (2018-2029)

Figure 38. North America GaN HEMT Transistors Consumption Value Market Share by Country (2018-2029)

Figure 39. United States GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Canada GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Mexico GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Europe GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 43. Europe GaN HEMT Transistors Sales Quantity Market Share by Application (2018-2029)

Figure 44. Europe GaN HEMT Transistors Sales Quantity Market Share by Country (2018-2029)

Figure 45. Europe GaN HEMT Transistors Consumption Value Market Share by Country (2018-2029)

Figure 46. Germany GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. France GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. United Kingdom GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Russia GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Italy GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Asia-Pacific GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 52. Asia-Pacific GaN HEMT Transistors Sales Quantity Market Share by Application (2018-2029)

Figure 53. Asia-Pacific GaN HEMT Transistors Sales Quantity Market Share by Region (2018-2029)

Figure 54. Asia-Pacific GaN HEMT Transistors Consumption Value Market Share by Region (2018-2029)

Figure 55. China GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Japan GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Korea GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. India GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Southeast Asia GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Australia GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. South America GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 62. South America GaN HEMT Transistors Sales Quantity Market Share by

Application (2018-2029)

Figure 63. South America GaN HEMT Transistors Sales Quantity Market Share by Country (2018-2029)

Figure 64. South America GaN HEMT Transistors Consumption Value Market Share by Country (2018-2029)

Figure 65. Brazil GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Argentina GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Middle East & Africa GaN HEMT Transistors Sales Quantity Market Share by Type (2018-2029)

Figure 68. Middle East & Africa GaN HEMT Transistors Sales Quantity Market Share by Application (2018-2029)

Figure 69. Middle East & Africa GaN HEMT Transistors Sales Quantity Market Share by Region (2018-2029)

Figure 70. Middle East & Africa GaN HEMT Transistors Consumption Value Market Share by Region (2018-2029)

Figure 71. Turkey GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Egypt GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Saudi Arabia GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. South Africa GaN HEMT Transistors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. GaN HEMT Transistors Market Drivers

Figure 76. GaN HEMT Transistors Market Restraints

Figure 77. GaN HEMT Transistors Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of GaN HEMT Transistors in 2022

Figure 80. Manufacturing Process Analysis of GaN HEMT Transistors

Figure 81. GaN HEMT Transistors Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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