

Global HV GaN HEMTs 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 HV GaN HEMTs market size was valued at USD 140.6 million in 2022 and is forecast to a readjusted size of USD 331 million by 2029 with a CAGR of 13.0% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes. GaN (Gallium Nitride) is a compound semiconductor material used in next-generation power devices. It is beginning to see adoption due to its superior properties over silicon devices, such as excellent high-frequency characteristics.

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

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

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

Global HV GaN HEMTs market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/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 HV GaN HEMTs
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 HV GaN HEMTs 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, Qorvo, ROHM, Toshiba and Innoscience, 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

HV GaN HEMTs 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

600V

650V

700V

Others (like 400V)

Market segment by Application

Consumer (Charger, Adapter)

Appliance Motor Drives

Industrial Power Supplies

Audio Amplifier

UPS, Telecom, Datacenter & Servers

Solar Inverter

Wireless Communication

Others

Major players covered

Infineon Technologies

Qorvo

ROHM

Toshiba

Innoscence

Sumitomo Electric Industries

STMicroelectronics

Wolfspeed

NXP Semiconductors

MACOM

Transphorm

GaN Systems

Mitsubishi Electric Corp

GaNPower International

CETC 13

CETC 55

EPC

Ampleon

Teledyne Defense Electronics

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 HV GaN HEMTs product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the HV GaN HEMTs 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 HV GaN HEMTs 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 HV GaN HEMTs.

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

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of HV GaN HEMTs
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global HV GaN HEMTs Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 600V
 - 1.3.3 650V
 - 1.3.4 700V
 - 1.3.5 Others (like 400V)
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global HV GaN HEMTs Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Consumer (Charger, Adapter)
 - 1.4.3 Appliance Motor Drives
 - 1.4.4 Industrial Power Supplies
 - 1.4.5 Audio Amplifier
 - 1.4.6 UPS, Telecom, Datacenter & Servers
 - 1.4.7 Solar Inverter
 - 1.4.8 Wireless Communication
 - 1.4.9 Others
- 1.5 Global HV GaN HEMTs Market Size & Forecast
 - 1.5.1 Global HV GaN HEMTs Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global HV GaN HEMTs Sales Quantity (2018-2029)
 - 1.5.3 Global HV GaN HEMTs 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 HV GaN HEMTs Product and Services
 - 2.1.4 Infineon Technologies HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Infineon Technologies Recent Developments/Updates
- 2.2 Qorvo

- 2.2.1 Qorvo Details
- 2.2.2 Qorvo Major Business
- 2.2.3 Qorvo HV GaN HEMTs Product and Services
- 2.2.4 Qorvo HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 Qorvo Recent Developments/Updates
- 2.3 ROHM
 - 2.3.1 ROHM Details
 - 2.3.2 ROHM Major Business
 - 2.3.3 ROHM HV GaN HEMTs Product and Services
 - 2.3.4 ROHM HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 ROHM Recent Developments/Updates
- 2.4 Toshiba
 - 2.4.1 Toshiba Details
 - 2.4.2 Toshiba Major Business
 - 2.4.3 Toshiba HV GaN HEMTs Product and Services
 - 2.4.4 Toshiba HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Toshiba Recent Developments/Updates
- 2.5 Innoscience
 - 2.5.1 Innoscience Details
 - 2.5.2 Innoscience Major Business
 - 2.5.3 Innoscience HV GaN HEMTs Product and Services
 - 2.5.4 Innoscience HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Innoscience Recent Developments/Updates
- 2.6 Sumitomo Electric Industries
 - 2.6.1 Sumitomo Electric Industries Details
 - 2.6.2 Sumitomo Electric Industries Major Business
 - 2.6.3 Sumitomo Electric Industries HV GaN HEMTs Product and Services
 - 2.6.4 Sumitomo Electric Industries HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 Sumitomo Electric Industries Recent Developments/Updates
- 2.7 STMicroelectronics
 - 2.7.1 STMicroelectronics Details
 - 2.7.2 STMicroelectronics Major Business
 - 2.7.3 STMicroelectronics HV GaN HEMTs Product and Services
 - 2.7.4 STMicroelectronics HV GaN HEMTs Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

2.7.5 STMicroelectronics Recent Developments/Updates

2.8 Wolfspeed

2.8.1 Wolfspeed Details

2.8.2 Wolfspeed Major Business

2.8.3 Wolfspeed HV GaN HEMTs Product and Services

2.8.4 Wolfspeed HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Wolfspeed Recent Developments/Updates

2.9 NXP Semiconductors

2.9.1 NXP Semiconductors Details

2.9.2 NXP Semiconductors Major Business

2.9.3 NXP Semiconductors HV GaN HEMTs Product and Services

2.9.4 NXP Semiconductors HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 NXP Semiconductors Recent Developments/Updates

2.10 MACOM

2.10.1 MACOM Details

2.10.2 MACOM Major Business

2.10.3 MACOM HV GaN HEMTs Product and Services

2.10.4 MACOM HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 MACOM Recent Developments/Updates

2.11 Transphorm

2.11.1 Transphorm Details

2.11.2 Transphorm Major Business

2.11.3 Transphorm HV GaN HEMTs Product and Services

2.11.4 Transphorm HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Transphorm Recent Developments/Updates

2.12 GaN Systems

2.12.1 GaN Systems Details

2.12.2 GaN Systems Major Business

2.12.3 GaN Systems HV GaN HEMTs Product and Services

2.12.4 GaN Systems HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 GaN Systems Recent Developments/Updates

2.13 Mitsubishi Electric Corp

2.13.1 Mitsubishi Electric Corp Details

- 2.13.2 Mitsubishi Electric Corp Major Business
- 2.13.3 Mitsubishi Electric Corp HV GaN HEMTs Product and Services
- 2.13.4 Mitsubishi Electric Corp HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.13.5 Mitsubishi Electric Corp Recent Developments/Updates
- 2.14 GaNPower International
 - 2.14.1 GaNPower International Details
 - 2.14.2 GaNPower International Major Business
 - 2.14.3 GaNPower International HV GaN HEMTs Product and Services
 - 2.14.4 GaNPower International HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.14.5 GaNPower International Recent Developments/Updates
- 2.15 CETC
 - 2.15.1 CETC 13 Details
 - 2.15.2 CETC 13 Major Business
 - 2.15.3 CETC 13 HV GaN HEMTs Product and Services
 - 2.15.4 CETC 13 HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.15.5 CETC 13 Recent Developments/Updates
- 2.16 CETC
 - 2.16.1 CETC 55 Details
 - 2.16.2 CETC 55 Major Business
 - 2.16.3 CETC 55 HV GaN HEMTs Product and Services
 - 2.16.4 CETC 55 HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.16.5 CETC 55 Recent Developments/Updates
- 2.17 EPC
 - 2.17.1 EPC Details
 - 2.17.2 EPC Major Business
 - 2.17.3 EPC HV GaN HEMTs Product and Services
 - 2.17.4 EPC HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.17.5 EPC Recent Developments/Updates
- 2.18 Ampleon
 - 2.18.1 Ampleon Details
 - 2.18.2 Ampleon Major Business
 - 2.18.3 Ampleon HV GaN HEMTs Product and Services
 - 2.18.4 Ampleon HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.18.5 Ampleon Recent Developments/Updates
- 2.19 Teledyne Defense Electronics
 - 2.19.1 Teledyne Defense Electronics Details
 - 2.19.2 Teledyne Defense Electronics Major Business
 - 2.19.3 Teledyne Defense Electronics HV GaN HEMTs Product and Services
 - 2.19.4 Teledyne Defense Electronics HV GaN HEMTs Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.19.5 Teledyne Defense Electronics Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: HV GAN HEMTS BY MANUFACTURER

- 3.1 Global HV GaN HEMTs Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global HV GaN HEMTs Revenue by Manufacturer (2018-2023)
- 3.3 Global HV GaN HEMTs Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of HV GaN HEMTs by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 HV GaN HEMTs Manufacturer Market Share in 2022
 - 3.4.2 Top 6 HV GaN HEMTs Manufacturer Market Share in 2022
- 3.5 HV GaN HEMTs Market: Overall Company Footprint Analysis
 - 3.5.1 HV GaN HEMTs Market: Region Footprint
 - 3.5.2 HV GaN HEMTs Market: Company Product Type Footprint
 - 3.5.3 HV GaN HEMTs 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 HV GaN HEMTs Market Size by Region
 - 4.1.1 Global HV GaN HEMTs Sales Quantity by Region (2018-2029)
 - 4.1.2 Global HV GaN HEMTs Consumption Value by Region (2018-2029)
 - 4.1.3 Global HV GaN HEMTs Average Price by Region (2018-2029)
- 4.2 North America HV GaN HEMTs Consumption Value (2018-2029)
- 4.3 Europe HV GaN HEMTs Consumption Value (2018-2029)
- 4.4 Asia-Pacific HV GaN HEMTs Consumption Value (2018-2029)
- 4.5 South America HV GaN HEMTs Consumption Value (2018-2029)
- 4.6 Middle East and Africa HV GaN HEMTs Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global HV GaN HEMTs Sales Quantity by Type (2018-2029)
- 5.2 Global HV GaN HEMTs Consumption Value by Type (2018-2029)
- 5.3 Global HV GaN HEMTs Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global HV GaN HEMTs Sales Quantity by Application (2018-2029)
- 6.2 Global HV GaN HEMTs Consumption Value by Application (2018-2029)
- 6.3 Global HV GaN HEMTs Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America HV GaN HEMTs Sales Quantity by Type (2018-2029)
- 7.2 North America HV GaN HEMTs Sales Quantity by Application (2018-2029)
- 7.3 North America HV GaN HEMTs Market Size by Country
 - 7.3.1 North America HV GaN HEMTs Sales Quantity by Country (2018-2029)
 - 7.3.2 North America HV GaN HEMTs 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 HV GaN HEMTs Sales Quantity by Type (2018-2029)
- 8.2 Europe HV GaN HEMTs Sales Quantity by Application (2018-2029)
- 8.3 Europe HV GaN HEMTs Market Size by Country
 - 8.3.1 Europe HV GaN HEMTs Sales Quantity by Country (2018-2029)
 - 8.3.2 Europe HV GaN HEMTs 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 HV GaN HEMTs Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific HV GaN HEMTs Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific HV GaN HEMTs Market Size by Region

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

14 SHIPMENTS BY DISTRIBUTION CHANNEL

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

Table 2. Global HV GaN HEMTs 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 HV GaN HEMTs Product and Services

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

Table 7. Infineon Technologies Recent Developments/Updates

Table 8. Qorvo Basic Information, Manufacturing Base and Competitors

Table 9. Qorvo Major Business

Table 10. Qorvo HV GaN HEMTs Product and Services

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

Table 12. Qorvo Recent Developments/Updates

Table 13. ROHM Basic Information, Manufacturing Base and Competitors

Table 14. ROHM Major Business

Table 15. ROHM HV GaN HEMTs Product and Services

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

Table 17. ROHM Recent Developments/Updates

Table 18. Toshiba Basic Information, Manufacturing Base and Competitors

Table 19. Toshiba Major Business

Table 20. Toshiba HV GaN HEMTs Product and Services

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

Table 22. Toshiba Recent Developments/Updates

Table 23. Innoscience Basic Information, Manufacturing Base and Competitors

Table 24. Innoscience Major Business

Table 25. Innoscience HV GaN HEMTs Product and Services

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

Table 27. Innoscience Recent Developments/Updates

Table 28. Sumitomo Electric Industries Basic Information, Manufacturing Base and

Competitors

Table 29. Sumitomo Electric Industries Major Business

Table 30. Sumitomo Electric Industries HV GaN HEMTs Product and Services

Table 31. Sumitomo Electric Industries HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Sumitomo Electric Industries Recent Developments/Updates

Table 33. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 34. STMicroelectronics Major Business

Table 35. STMicroelectronics HV GaN HEMTs Product and Services

Table 36. STMicroelectronics HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. STMicroelectronics Recent Developments/Updates

Table 38. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 39. Wolfspeed Major Business

Table 40. Wolfspeed HV GaN HEMTs Product and Services

Table 41. Wolfspeed HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Wolfspeed Recent Developments/Updates

Table 43. NXP Semiconductors Basic Information, Manufacturing Base and Competitors

Table 44. NXP Semiconductors Major Business

Table 45. NXP Semiconductors HV GaN HEMTs Product and Services

Table 46. NXP Semiconductors HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. NXP Semiconductors Recent Developments/Updates

Table 48. MACOM Basic Information, Manufacturing Base and Competitors

Table 49. MACOM Major Business

Table 50. MACOM HV GaN HEMTs Product and Services

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

Table 52. MACOM Recent Developments/Updates

Table 53. Transphorm Basic Information, Manufacturing Base and Competitors

Table 54. Transphorm Major Business

Table 55. Transphorm HV GaN HEMTs Product and Services

Table 56. Transphorm HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Transphorm Recent Developments/Updates

Table 58. GaN Systems Basic Information, Manufacturing Base and Competitors

Table 59. GaN Systems Major Business

Table 60. GaN Systems HV GaN HEMTs Product and Services

Table 61. GaN Systems HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. GaN Systems Recent Developments/Updates

Table 63. Mitsubishi Electric Corp Basic Information, Manufacturing Base and Competitors

Table 64. Mitsubishi Electric Corp Major Business

Table 65. Mitsubishi Electric Corp HV GaN HEMTs Product and Services

Table 66. Mitsubishi Electric Corp HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Mitsubishi Electric Corp Recent Developments/Updates

Table 68. GaNPower International Basic Information, Manufacturing Base and Competitors

Table 69. GaNPower International Major Business

Table 70. GaNPower International HV GaN HEMTs Product and Services

Table 71. GaNPower International HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. GaNPower International Recent Developments/Updates

Table 73. CETC 13 Basic Information, Manufacturing Base and Competitors

Table 74. CETC 13 Major Business

Table 75. CETC 13 HV GaN HEMTs Product and Services

Table 76. CETC 13 HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. CETC 13 Recent Developments/Updates

Table 78. CETC 55 Basic Information, Manufacturing Base and Competitors

Table 79. CETC 55 Major Business

Table 80. CETC 55 HV GaN HEMTs Product and Services

Table 81. CETC 55 HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. CETC 55 Recent Developments/Updates

Table 83. EPC Basic Information, Manufacturing Base and Competitors

Table 84. EPC Major Business

Table 85. EPC HV GaN HEMTs Product and Services

Table 86. EPC HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. EPC Recent Developments/Updates

Table 88. Ampleon Basic Information, Manufacturing Base and Competitors

Table 89. Ampleon Major Business

Table 90. Ampleon HV GaN HEMTs Product and Services

Table 91. Ampleon HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Ampleon Recent Developments/Updates

Table 93. Teledyne Defense Electronics Basic Information, Manufacturing Base and Competitors

Table 94. Teledyne Defense Electronics Major Business

Table 95. Teledyne Defense Electronics HV GaN HEMTs Product and Services

Table 96. Teledyne Defense Electronics HV GaN HEMTs Sales Quantity (K Units), Average Price (US\$/Units), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 97. Teledyne Defense Electronics Recent Developments/Updates

Table 98. Global HV GaN HEMTs Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 99. Global HV GaN HEMTs Revenue by Manufacturer (2018-2023) & (USD Million)

Table 100. Global HV GaN HEMTs Average Price by Manufacturer (2018-2023) & (US\$/Units)

Table 101. Market Position of Manufacturers in HV GaN HEMTs, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 102. Head Office and HV GaN HEMTs Production Site of Key Manufacturer

Table 103. HV GaN HEMTs Market: Company Product Type Footprint

Table 104. HV GaN HEMTs Market: Company Product Application Footprint

Table 105. HV GaN HEMTs New Market Entrants and Barriers to Market Entry

Table 106. HV GaN HEMTs Mergers, Acquisition, Agreements, and Collaborations

Table 107. Global HV GaN HEMTs Sales Quantity by Region (2018-2023) & (K Units)

Table 108. Global HV GaN HEMTs Sales Quantity by Region (2024-2029) & (K Units)

Table 109. Global HV GaN HEMTs Consumption Value by Region (2018-2023) & (USD Million)

Table 110. Global HV GaN HEMTs Consumption Value by Region (2024-2029) & (USD Million)

Table 111. Global HV GaN HEMTs Average Price by Region (2018-2023) & (US\$/Units)

Table 112. Global HV GaN HEMTs Average Price by Region (2024-2029) & (US\$/Units)

Table 113. Global HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 114. Global HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 115. Global HV GaN HEMTs Consumption Value by Type (2018-2023) & (USD Million)

Table 116. Global HV GaN HEMTs Consumption Value by Type (2024-2029) & (USD Million)

Table 117. Global HV GaN HEMTs Average Price by Type (2018-2023) & (US\$/Units)

Table 118. Global HV GaN HEMTs Average Price by Type (2024-2029) & (US\$/Units)

Table 119. Global HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 120. Global HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 121. Global HV GaN HEMTs Consumption Value by Application (2018-2023) & (USD Million)

Table 122. Global HV GaN HEMTs Consumption Value by Application (2024-2029) & (USD Million)

Table 123. Global HV GaN HEMTs Average Price by Application (2018-2023) & (US\$/Units)

Table 124. Global HV GaN HEMTs Average Price by Application (2024-2029) & (US\$/Units)

Table 125. North America HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 126. North America HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 127. North America HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 128. North America HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 129. North America HV GaN HEMTs Sales Quantity by Country (2018-2023) & (K Units)

Table 130. North America HV GaN HEMTs Sales Quantity by Country (2024-2029) & (K Units)

Table 131. North America HV GaN HEMTs Consumption Value by Country (2018-2023) & (USD Million)

Table 132. North America HV GaN HEMTs Consumption Value by Country (2024-2029) & (USD Million)

Table 133. Europe HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 134. Europe HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 135. Europe HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 136. Europe HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 137. Europe HV GaN HEMTs Sales Quantity by Country (2018-2023) & (K Units)

Table 138. Europe HV GaN HEMTs Sales Quantity by Country (2024-2029) & (K Units)

Table 139. Europe HV GaN HEMTs Consumption Value by Country (2018-2023) &

(USD Million)

Table 140. Europe HV GaN HEMTs Consumption Value by Country (2024-2029) & (USD Million)

Table 141. Asia-Pacific HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 142. Asia-Pacific HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 143. Asia-Pacific HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 144. Asia-Pacific HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 145. Asia-Pacific HV GaN HEMTs Sales Quantity by Region (2018-2023) & (K Units)

Table 146. Asia-Pacific HV GaN HEMTs Sales Quantity by Region (2024-2029) & (K Units)

Table 147. Asia-Pacific HV GaN HEMTs Consumption Value by Region (2018-2023) & (USD Million)

Table 148. Asia-Pacific HV GaN HEMTs Consumption Value by Region (2024-2029) & (USD Million)

Table 149. South America HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 150. South America HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 151. South America HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 152. South America HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 153. South America HV GaN HEMTs Sales Quantity by Country (2018-2023) & (K Units)

Table 154. South America HV GaN HEMTs Sales Quantity by Country (2024-2029) & (K Units)

Table 155. South America HV GaN HEMTs Consumption Value by Country (2018-2023) & (USD Million)

Table 156. South America HV GaN HEMTs Consumption Value by Country (2024-2029) & (USD Million)

Table 157. Middle East & Africa HV GaN HEMTs Sales Quantity by Type (2018-2023) & (K Units)

Table 158. Middle East & Africa HV GaN HEMTs Sales Quantity by Type (2024-2029) & (K Units)

Table 159. Middle East & Africa HV GaN HEMTs Sales Quantity by Application (2018-2023) & (K Units)

Table 160. Middle East & Africa HV GaN HEMTs Sales Quantity by Application (2024-2029) & (K Units)

Table 161. Middle East & Africa HV GaN HEMTs Sales Quantity by Region (2018-2023) & (K Units)

Table 162. Middle East & Africa HV GaN HEMTs Sales Quantity by Region (2024-2029) & (K Units)

Table 163. Middle East & Africa HV GaN HEMTs Consumption Value by Region (2018-2023) & (USD Million)

Table 164. Middle East & Africa HV GaN HEMTs Consumption Value by Region (2024-2029) & (USD Million)

Table 165. HV GaN HEMTs Raw Material

Table 166. Key Manufacturers of HV GaN HEMTs Raw Materials

Table 167. HV GaN HEMTs Typical Distributors

Table 168. HV GaN HEMTs Typical Customers

List of Figures

Figure 1. HV GaN HEMTs Picture

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

Figure 3. Global HV GaN HEMTs Consumption Value Market Share by Type in 2022

Figure 4. 600V Examples

Figure 5. 650V Examples

Figure 6. 700V Examples

Figure 7. Others (like 400V) Examples

Figure 8. Global HV GaN HEMTs Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 9. Global HV GaN HEMTs Consumption Value Market Share by Application in 2022

Figure 10. Consumer (Charger, Adapter) Examples

Figure 11. Appliance Motor Drives Examples

Figure 12. Industrial Power Supplies Examples

Figure 13. Audio Amplifier Examples

Figure 14. UPS, Telecom, Datacenter & Servers Examples

Figure 15. Solar Inverter Examples

Figure 16. Wireless Communication Examples

Figure 17. Others Examples

Figure 18. Global HV GaN HEMTs Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 19. Global HV GaN HEMTs Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 20. Global HV GaN HEMTs Sales Quantity (2018-2029) & (K Units)

Figure 21. Global HV GaN HEMTs Average Price (2018-2029) & (US\$/Units)

Figure 22. Global HV GaN HEMTs Sales Quantity Market Share by Manufacturer in 2022

Figure 23. Global HV GaN HEMTs Consumption Value Market Share by Manufacturer in 2022

Figure 24. Producer Shipments of HV GaN HEMTs by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 25. Top 3 HV GaN HEMTs Manufacturer (Consumption Value) Market Share in 2022

Figure 26. Top 6 HV GaN HEMTs Manufacturer (Consumption Value) Market Share in 2022

Figure 27. Global HV GaN HEMTs Sales Quantity Market Share by Region (2018-2029)

Figure 28. Global HV GaN HEMTs Consumption Value Market Share by Region (2018-2029)

Figure 29. North America HV GaN HEMTs Consumption Value (2018-2029) & (USD Million)

Figure 30. Europe HV GaN HEMTs Consumption Value (2018-2029) & (USD Million)

Figure 31. Asia-Pacific HV GaN HEMTs Consumption Value (2018-2029) & (USD Million)

Figure 32. South America HV GaN HEMTs Consumption Value (2018-2029) & (USD Million)

Figure 33. Middle East & Africa HV GaN HEMTs Consumption Value (2018-2029) & (USD Million)

Figure 34. Global HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 35. Global HV GaN HEMTs Consumption Value Market Share by Type (2018-2029)

Figure 36. Global HV GaN HEMTs Average Price by Type (2018-2029) & (US\$/Units)

Figure 37. Global HV GaN HEMTs Sales Quantity Market Share by Application (2018-2029)

Figure 38. Global HV GaN HEMTs Consumption Value Market Share by Application (2018-2029)

Figure 39. Global HV GaN HEMTs Average Price by Application (2018-2029) & (US\$/Units)

Figure 40. North America HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 41. North America HV GaN HEMTs Sales Quantity Market Share by Application

(2018-2029)

Figure 42. North America HV GaN HEMTs Sales Quantity Market Share by Country (2018-2029)

Figure 43. North America HV GaN HEMTs Consumption Value Market Share by Country (2018-2029)

Figure 44. United States HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. Canada HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Mexico HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Europe HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 48. Europe HV GaN HEMTs Sales Quantity Market Share by Application (2018-2029)

Figure 49. Europe HV GaN HEMTs Sales Quantity Market Share by Country (2018-2029)

Figure 50. Europe HV GaN HEMTs Consumption Value Market Share by Country (2018-2029)

Figure 51. Germany HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. France HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. United Kingdom HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Russia HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Italy HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Asia-Pacific HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 57. Asia-Pacific HV GaN HEMTs Sales Quantity Market Share by Application (2018-2029)

Figure 58. Asia-Pacific HV GaN HEMTs Sales Quantity Market Share by Region (2018-2029)

Figure 59. Asia-Pacific HV GaN HEMTs Consumption Value Market Share by Region (2018-2029)

Figure 60. China HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Japan HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) &

(USD Million)

Figure 62. Korea HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. India HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Southeast Asia HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Australia HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. South America HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 67. South America HV GaN HEMTs Sales Quantity Market Share by Application (2018-2029)

Figure 68. South America HV GaN HEMTs Sales Quantity Market Share by Country (2018-2029)

Figure 69. South America HV GaN HEMTs Consumption Value Market Share by Country (2018-2029)

Figure 70. Brazil HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Argentina HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Middle East & Africa HV GaN HEMTs Sales Quantity Market Share by Type (2018-2029)

Figure 73. Middle East & Africa HV GaN HEMTs Sales Quantity Market Share by Application (2018-2029)

Figure 74. Middle East & Africa HV GaN HEMTs Sales Quantity Market Share by Region (2018-2029)

Figure 75. Middle East & Africa HV GaN HEMTs Consumption Value Market Share by Region (2018-2029)

Figure 76. Turkey HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Egypt HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 78. Saudi Arabia HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 79. South Africa HV GaN HEMTs Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 80. HV GaN HEMTs Market Drivers

Figure 81. HV GaN HEMTs Market Restraints

- Figure 82. HV GaN HEMTs Market Trends
- Figure 83. Porters Five Forces Analysis
- Figure 84. Manufacturing Cost Structure Analysis of HV GaN HEMTs in 2022
- Figure 85. Manufacturing Process Analysis of HV GaN HEMTs
- Figure 86. HV GaN HEMTs Industrial Chain
- Figure 87. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 88. Direct Channel Pros & Cons
- Figure 89. Indirect Channel Pros & Cons
- Figure 90. Methodology
- Figure 91. Research Process and Data Source

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