

# Global HV GaN HEMTs Market Research Report 2024, Forecast to 2032

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## Abstracts

### Report Overview

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.

The global HV GaN HEMTs market size was estimated at USD 136.60 million in 2023 and is projected to reach USD 430.38 million by 2032, exhibiting a CAGR of 13.60% during the forecast period.

North America HV GaN HEMTs market size was estimated at USD 44.38 million in 2023, at a CAGR of 11.66% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global HV GaN HEMTs market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global HV GaN HEMTs Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the HV GaN HEMTs market in any manner.

## Global HV GaN HEMTs Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### Key Company

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 Segmentation (by Type)

600V

650V

700V

Others (like 400V)

Market Segmentation (by Application)

Consumer (Charger, Adapter)

Appliance Motor Drives

Industrial Power Supplies

Audio Amplifier

UPS, Telecom, Datacenter & Servers

Solar Inverter

Wireless Communication

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the HV GaN HEMTs Market

Overview of the regional outlook of the HV GaN HEMTs Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the

years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the HV GaN HEMTs Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of HV GaN HEMTs, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of HV GaN HEMTs
- 1.2 Key Market Segments
  - 1.2.1 HV GaN HEMTs Segment by Type
  - 1.2.2 HV GaN HEMTs Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 HV GAN HEMTS MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global HV GaN HEMTs Market Size (M USD) Estimates and Forecasts (2019-2032)
  - 2.1.2 Global HV GaN HEMTs Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 HV GAN HEMTS MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global HV GaN HEMTs Sales by Manufacturers (2019-2024)
- 3.2 Global HV GaN HEMTs Revenue Market Share by Manufacturers (2019-2024)
- 3.3 HV GaN HEMTs Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global HV GaN HEMTs Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers HV GaN HEMTs Sales Sites, Area Served, Product Type
- 3.6 HV GaN HEMTs Market Competitive Situation and Trends
  - 3.6.1 HV GaN HEMTs Market Concentration Rate
  - 3.6.2 Global 5 and 10 Largest HV GaN HEMTs Players Market Share by Revenue
  - 3.6.3 Mergers & Acquisitions, Expansion

### **4 HV GAN HEMTS INDUSTRY CHAIN ANALYSIS**

- 4.1 HV GaN HEMTs Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF HV GAN HEMTS MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

## **6 HV GAN HEMTS MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global HV GaN HEMTs Sales Market Share by Type (2019-2024)

6.3 Global HV GaN HEMTs Market Size Market Share by Type (2019-2024)

6.4 Global HV GaN HEMTs Price by Type (2019-2024)

## **7 HV GAN HEMTS MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global HV GaN HEMTs Market Sales by Application (2019-2024)

7.3 Global HV GaN HEMTs Market Size (M USD) by Application (2019-2024)

7.4 Global HV GaN HEMTs Sales Growth Rate by Application (2019-2024)

## **8 HV GAN HEMTS MARKET CONSUMPTION BY REGION**

8.1 Global HV GaN HEMTs Sales by Region

8.1.1 Global HV GaN HEMTs Sales by Region

8.1.2 Global HV GaN HEMTs Sales Market Share by Region

8.2 North America

8.2.1 North America HV GaN HEMTs Sales by Country

8.2.2 U.S.

- 8.2.3 Canada
- 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe HV GaN HEMTs Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific HV GaN HEMTs Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America HV GaN HEMTs Sales by Country
  - 8.5.2 Brazil
  - 8.5.3 Argentina
  - 8.5.4 Columbia
- 8.6 Middle East and Africa
  - 8.6.1 Middle East and Africa HV GaN HEMTs Sales by Region
  - 8.6.2 Saudi Arabia
  - 8.6.3 UAE
  - 8.6.4 Egypt
  - 8.6.5 Nigeria
  - 8.6.6 South Africa

## **9 HV GAN HEMTS MARKET PRODUCTION BY REGION**

- 9.1 Global Production of HV GaN HEMTs by Region (2019-2024)
- 9.2 Global HV GaN HEMTs Revenue Market Share by Region (2019-2024)
- 9.3 Global HV GaN HEMTs Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America HV GaN HEMTs Production
  - 9.4.1 North America HV GaN HEMTs Production Growth Rate (2019-2024)
  - 9.4.2 North America HV GaN HEMTs Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe HV GaN HEMTs Production

- 9.5.1 Europe HV GaN HEMTs Production Growth Rate (2019-2024)
- 9.5.2 Europe HV GaN HEMTs Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan HV GaN HEMTs Production (2019-2024)
  - 9.6.1 Japan HV GaN HEMTs Production Growth Rate (2019-2024)
  - 9.6.2 Japan HV GaN HEMTs Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China HV GaN HEMTs Production (2019-2024)
  - 9.7.1 China HV GaN HEMTs Production Growth Rate (2019-2024)
  - 9.7.2 China HV GaN HEMTs Production, Revenue, Price and Gross Margin (2019-2024)

## **10 KEY COMPANIES PROFILE**

- 10.1 Infineon Technologies
  - 10.1.1 Infineon Technologies HV GaN HEMTs Basic Information
  - 10.1.2 Infineon Technologies HV GaN HEMTs Product Overview
  - 10.1.3 Infineon Technologies HV GaN HEMTs Product Market Performance
  - 10.1.4 Infineon Technologies Business Overview
  - 10.1.5 Infineon Technologies HV GaN HEMTs SWOT Analysis
  - 10.1.6 Infineon Technologies Recent Developments
- 10.2 Qorvo
  - 10.2.1 Qorvo HV GaN HEMTs Basic Information
  - 10.2.2 Qorvo HV GaN HEMTs Product Overview
  - 10.2.3 Qorvo HV GaN HEMTs Product Market Performance
  - 10.2.4 Qorvo Business Overview
  - 10.2.5 Qorvo HV GaN HEMTs SWOT Analysis
  - 10.2.6 Qorvo Recent Developments
- 10.3 ROHM
  - 10.3.1 ROHM HV GaN HEMTs Basic Information
  - 10.3.2 ROHM HV GaN HEMTs Product Overview
  - 10.3.3 ROHM HV GaN HEMTs Product Market Performance
  - 10.3.4 ROHM HV GaN HEMTs SWOT Analysis
  - 10.3.5 ROHM Business Overview
  - 10.3.6 ROHM Recent Developments
- 10.4 Toshiba
  - 10.4.1 Toshiba HV GaN HEMTs Basic Information
  - 10.4.2 Toshiba HV GaN HEMTs Product Overview
  - 10.4.3 Toshiba HV GaN HEMTs Product Market Performance

- 10.4.4 Toshiba Business Overview
- 10.4.5 Toshiba Recent Developments
- 10.5 Innoscience
  - 10.5.1 Innoscience HV GaN HEMTs Basic Information
  - 10.5.2 Innoscience HV GaN HEMTs Product Overview
  - 10.5.3 Innoscience HV GaN HEMTs Product Market Performance
  - 10.5.4 Innoscience Business Overview
  - 10.5.5 Innoscience Recent Developments
- 10.6 Sumitomo Electric Industries
  - 10.6.1 Sumitomo Electric Industries HV GaN HEMTs Basic Information
  - 10.6.2 Sumitomo Electric Industries HV GaN HEMTs Product Overview
  - 10.6.3 Sumitomo Electric Industries HV GaN HEMTs Product Market Performance
  - 10.6.4 Sumitomo Electric Industries Business Overview
  - 10.6.5 Sumitomo Electric Industries Recent Developments
- 10.7 STMicroelectronics
  - 10.7.1 STMicroelectronics HV GaN HEMTs Basic Information
  - 10.7.2 STMicroelectronics HV GaN HEMTs Product Overview
  - 10.7.3 STMicroelectronics HV GaN HEMTs Product Market Performance
  - 10.7.4 STMicroelectronics Business Overview
  - 10.7.5 STMicroelectronics Recent Developments
- 10.8 Wolfspeed
  - 10.8.1 Wolfspeed HV GaN HEMTs Basic Information
  - 10.8.2 Wolfspeed HV GaN HEMTs Product Overview
  - 10.8.3 Wolfspeed HV GaN HEMTs Product Market Performance
  - 10.8.4 Wolfspeed Business Overview
  - 10.8.5 Wolfspeed Recent Developments
- 10.9 NXP Semiconductors
  - 10.9.1 NXP Semiconductors HV GaN HEMTs Basic Information
  - 10.9.2 NXP Semiconductors HV GaN HEMTs Product Overview
  - 10.9.3 NXP Semiconductors HV GaN HEMTs Product Market Performance
  - 10.9.4 NXP Semiconductors Business Overview
  - 10.9.5 NXP Semiconductors Recent Developments
- 10.10 MACOM
  - 10.10.1 MACOM HV GaN HEMTs Basic Information
  - 10.10.2 MACOM HV GaN HEMTs Product Overview
  - 10.10.3 MACOM HV GaN HEMTs Product Market Performance
  - 10.10.4 MACOM Business Overview
  - 10.10.5 MACOM Recent Developments
- 10.11 Transphorm

- 10.11.1 Transphorm HV GaN HEMTs Basic Information
- 10.11.2 Transphorm HV GaN HEMTs Product Overview
- 10.11.3 Transphorm HV GaN HEMTs Product Market Performance
- 10.11.4 Transphorm Business Overview
- 10.11.5 Transphorm Recent Developments
- 10.12 GaN Systems
  - 10.12.1 GaN Systems HV GaN HEMTs Basic Information
  - 10.12.2 GaN Systems HV GaN HEMTs Product Overview
  - 10.12.3 GaN Systems HV GaN HEMTs Product Market Performance
  - 10.12.4 GaN Systems Business Overview
  - 10.12.5 GaN Systems Recent Developments
- 10.13 Mitsubishi Electric Corp
  - 10.13.1 Mitsubishi Electric Corp HV GaN HEMTs Basic Information
  - 10.13.2 Mitsubishi Electric Corp HV GaN HEMTs Product Overview
  - 10.13.3 Mitsubishi Electric Corp HV GaN HEMTs Product Market Performance
  - 10.13.4 Mitsubishi Electric Corp Business Overview
  - 10.13.5 Mitsubishi Electric Corp Recent Developments
- 10.14 GaNPower International
  - 10.14.1 GaNPower International HV GaN HEMTs Basic Information
  - 10.14.2 GaNPower International HV GaN HEMTs Product Overview
  - 10.14.3 GaNPower International HV GaN HEMTs Product Market Performance
  - 10.14.4 GaNPower International Business Overview
  - 10.14.5 GaNPower International Recent Developments
- 10.15 CETC
  - 10.15.1 CETC 13 HV GaN HEMTs Basic Information
  - 10.15.2 CETC 13 HV GaN HEMTs Product Overview
  - 10.15.3 CETC 13 HV GaN HEMTs Product Market Performance
  - 10.15.4 CETC 13 Business Overview
  - 10.15.5 CETC 13 Recent Developments
- 10.16 CETC
  - 10.16.1 CETC 55 HV GaN HEMTs Basic Information
  - 10.16.2 CETC 55 HV GaN HEMTs Product Overview
  - 10.16.3 CETC 55 HV GaN HEMTs Product Market Performance
  - 10.16.4 CETC 55 Business Overview
  - 10.16.5 CETC 55 Recent Developments
- 10.17 EPC
  - 10.17.1 EPC HV GaN HEMTs Basic Information
  - 10.17.2 EPC HV GaN HEMTs Product Overview
  - 10.17.3 EPC HV GaN HEMTs Product Market Performance

- 10.17.4 EPC Business Overview
- 10.17.5 EPC Recent Developments
- 10.18 Ampleon
  - 10.18.1 Ampleon HV GaN HEMTs Basic Information
  - 10.18.2 Ampleon HV GaN HEMTs Product Overview
  - 10.18.3 Ampleon HV GaN HEMTs Product Market Performance
  - 10.18.4 Ampleon Business Overview
  - 10.18.5 Ampleon Recent Developments
- 10.19 Teledyne Defense Electronics
  - 10.19.1 Teledyne Defense Electronics HV GaN HEMTs Basic Information
  - 10.19.2 Teledyne Defense Electronics HV GaN HEMTs Product Overview
  - 10.19.3 Teledyne Defense Electronics HV GaN HEMTs Product Market Performance
  - 10.19.4 Teledyne Defense Electronics Business Overview
  - 10.19.5 Teledyne Defense Electronics Recent Developments

## **11 HV GAN HEMTS MARKET FORECAST BY REGION**

- 11.1 Global HV GaN HEMTs Market Size Forecast
- 11.2 Global HV GaN HEMTs Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe HV GaN HEMTs Market Size Forecast by Country
  - 11.2.3 Asia Pacific HV GaN HEMTs Market Size Forecast by Region
  - 11.2.4 South America HV GaN HEMTs Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Consumption of HV GaN HEMTs by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)**

- 12.1 Global HV GaN HEMTs Market Forecast by Type (2025-2032)
  - 12.1.1 Global Forecasted Sales of HV GaN HEMTs by Type (2025-2032)
  - 12.1.2 Global HV GaN HEMTs Market Size Forecast by Type (2025-2032)
  - 12.1.3 Global Forecasted Price of HV GaN HEMTs by Type (2025-2032)
- 12.2 Global HV GaN HEMTs Market Forecast by Application (2025-2032)
  - 12.2.1 Global HV GaN HEMTs Sales (K Units) Forecast by Application
  - 12.2.2 Global HV GaN HEMTs Market Size (M USD) Forecast by Application (2025-2032)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. HV GaN HEMTs Market Size Comparison by Region (M USD)
- Table 5. Global HV GaN HEMTs Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global HV GaN HEMTs Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global HV GaN HEMTs Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global HV GaN HEMTs Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in HV GaN HEMTs as of 2022)
- Table 10. Global Market HV GaN HEMTs Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers HV GaN HEMTs Sales Sites and Area Served
- Table 12. Manufacturers HV GaN HEMTs Product Type
- Table 13. Global HV GaN HEMTs Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of HV GaN HEMTs
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. HV GaN HEMTs Market Challenges
- Table 22. Global HV GaN HEMTs Sales by Type (K Units)
- Table 23. Global HV GaN HEMTs Market Size by Type (M USD)
- Table 24. Global HV GaN HEMTs Sales (K Units) by Type (2019-2024)
- Table 25. Global HV GaN HEMTs Sales Market Share by Type (2019-2024)
- Table 26. Global HV GaN HEMTs Market Size (M USD) by Type (2019-2024)
- Table 27. Global HV GaN HEMTs Market Size Share by Type (2019-2024)
- Table 28. Global HV GaN HEMTs Price (USD/Unit) by Type (2019-2024)
- Table 29. Global HV GaN HEMTs Sales (K Units) by Application
- Table 30. Global HV GaN HEMTs Market Size by Application
- Table 31. Global HV GaN HEMTs Sales by Application (2019-2024) & (K Units)
- Table 32. Global HV GaN HEMTs Sales Market Share by Application (2019-2024)

- Table 33. Global HV GaN HEMTs Sales by Application (2019-2024) & (M USD)
- Table 34. Global HV GaN HEMTs Market Share by Application (2019-2024)
- Table 35. Global HV GaN HEMTs Sales Growth Rate by Application (2019-2024)
- Table 36. Global HV GaN HEMTs Sales by Region (2019-2024) & (K Units)
- Table 37. Global HV GaN HEMTs Sales Market Share by Region (2019-2024)
- Table 38. North America HV GaN HEMTs Sales by Country (2019-2024) & (K Units)
- Table 39. Europe HV GaN HEMTs Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific HV GaN HEMTs Sales by Region (2019-2024) & (K Units)
- Table 41. South America HV GaN HEMTs Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa HV GaN HEMTs Sales by Region (2019-2024) & (K Units)
- Table 43. Global HV GaN HEMTs Production (K Units) by Region (2019-2024)
- Table 44. Global HV GaN HEMTs Revenue (US\$ Million) by Region (2019-2024)
- Table 45. Global HV GaN HEMTs Revenue Market Share by Region (2019-2024)
- Table 46. Global HV GaN HEMTs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 47. North America HV GaN HEMTs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 48. Europe HV GaN HEMTs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 49. Japan HV GaN HEMTs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 50. China HV GaN HEMTs Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 51. Infineon Technologies HV GaN HEMTs Basic Information
- Table 52. Infineon Technologies HV GaN HEMTs Product Overview
- Table 53. Infineon Technologies HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 54. Infineon Technologies Business Overview
- Table 55. Infineon Technologies HV GaN HEMTs SWOT Analysis
- Table 56. Infineon Technologies Recent Developments
- Table 57. Qorvo HV GaN HEMTs Basic Information
- Table 58. Qorvo HV GaN HEMTs Product Overview
- Table 59. Qorvo HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 60. Qorvo Business Overview
- Table 61. Qorvo HV GaN HEMTs SWOT Analysis
- Table 62. Qorvo Recent Developments
- Table 63. ROHM HV GaN HEMTs Basic Information

- Table 64. ROHM HV GaN HEMTs Product Overview
- Table 65. ROHM HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 66. ROHM HV GaN HEMTs SWOT Analysis
- Table 67. ROHM Business Overview
- Table 68. ROHM Recent Developments
- Table 69. Toshiba HV GaN HEMTs Basic Information
- Table 70. Toshiba HV GaN HEMTs Product Overview
- Table 71. Toshiba HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 72. Toshiba Business Overview
- Table 73. Toshiba Recent Developments
- Table 74. Innoscience HV GaN HEMTs Basic Information
- Table 75. Innoscience HV GaN HEMTs Product Overview
- Table 76. Innoscience HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 77. Innoscience Business Overview
- Table 78. Innoscience Recent Developments
- Table 79. Sumitomo Electric Industries HV GaN HEMTs Basic Information
- Table 80. Sumitomo Electric Industries HV GaN HEMTs Product Overview
- Table 81. Sumitomo Electric Industries HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 82. Sumitomo Electric Industries Business Overview
- Table 83. Sumitomo Electric Industries Recent Developments
- Table 84. STMicroelectronics HV GaN HEMTs Basic Information
- Table 85. STMicroelectronics HV GaN HEMTs Product Overview
- Table 86. STMicroelectronics HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 87. STMicroelectronics Business Overview
- Table 88. STMicroelectronics Recent Developments
- Table 89. Wolfspeed HV GaN HEMTs Basic Information
- Table 90. Wolfspeed HV GaN HEMTs Product Overview
- Table 91. Wolfspeed HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 92. Wolfspeed Business Overview
- Table 93. Wolfspeed Recent Developments
- Table 94. NXP Semiconductors HV GaN HEMTs Basic Information
- Table 95. NXP Semiconductors HV GaN HEMTs Product Overview
- Table 96. NXP Semiconductors HV GaN HEMTs Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. NXP Semiconductors Business Overview

Table 98. NXP Semiconductors Recent Developments

Table 99. MACOM HV GaN HEMTs Basic Information

Table 100. MACOM HV GaN HEMTs Product Overview

Table 101. MACOM HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. MACOM Business Overview

Table 103. MACOM Recent Developments

Table 104. Transphorm HV GaN HEMTs Basic Information

Table 105. Transphorm HV GaN HEMTs Product Overview

Table 106. Transphorm HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. Transphorm Business Overview

Table 108. Transphorm Recent Developments

Table 109. GaN Systems HV GaN HEMTs Basic Information

Table 110. GaN Systems HV GaN HEMTs Product Overview

Table 111. GaN Systems HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. GaN Systems Business Overview

Table 113. GaN Systems Recent Developments

Table 114. Mitsubishi Electric Corp HV GaN HEMTs Basic Information

Table 115. Mitsubishi Electric Corp HV GaN HEMTs Product Overview

Table 116. Mitsubishi Electric Corp HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. Mitsubishi Electric Corp Business Overview

Table 118. Mitsubishi Electric Corp Recent Developments

Table 119. GaNPower International HV GaN HEMTs Basic Information

Table 120. GaNPower International HV GaN HEMTs Product Overview

Table 121. GaNPower International HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. GaNPower International Business Overview

Table 123. GaNPower International Recent Developments

Table 124. CETC 13 HV GaN HEMTs Basic Information

Table 125. CETC 13 HV GaN HEMTs Product Overview

Table 126. CETC 13 HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. CETC 13 Business Overview

Table 128. CETC 13 Recent Developments

- Table 129. CETC 55 HV GaN HEMTs Basic Information
- Table 130. CETC 55 HV GaN HEMTs Product Overview
- Table 131. CETC 55 HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 132. CETC 55 Business Overview
- Table 133. CETC 55 Recent Developments
- Table 134. EPC HV GaN HEMTs Basic Information
- Table 135. EPC HV GaN HEMTs Product Overview
- Table 136. EPC HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 137. EPC Business Overview
- Table 138. EPC Recent Developments
- Table 139. Ampleon HV GaN HEMTs Basic Information
- Table 140. Ampleon HV GaN HEMTs Product Overview
- Table 141. Ampleon HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 142. Ampleon Business Overview
- Table 143. Ampleon Recent Developments
- Table 144. Teledyne Defense Electronics HV GaN HEMTs Basic Information
- Table 145. Teledyne Defense Electronics HV GaN HEMTs Product Overview
- Table 146. Teledyne Defense Electronics HV GaN HEMTs Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 147. Teledyne Defense Electronics Business Overview
- Table 148. Teledyne Defense Electronics Recent Developments
- Table 149. Global HV GaN HEMTs Sales Forecast by Region (2025-2032) & (K Units)
- Table 150. Global HV GaN HEMTs Market Size Forecast by Region (2025-2032) & (M USD)
- Table 151. North America HV GaN HEMTs Sales Forecast by Country (2025-2032) & (K Units)
- Table 152. North America HV GaN HEMTs Market Size Forecast by Country (2025-2032) & (M USD)
- Table 153. Europe HV GaN HEMTs Sales Forecast by Country (2025-2032) & (K Units)
- Table 154. Europe HV GaN HEMTs Market Size Forecast by Country (2025-2032) & (M USD)
- Table 155. Asia Pacific HV GaN HEMTs Sales Forecast by Region (2025-2032) & (K Units)
- Table 156. Asia Pacific HV GaN HEMTs Market Size Forecast by Region (2025-2032) & (M USD)
- Table 157. South America HV GaN HEMTs Sales Forecast by Country (2025-2032) &

(K Units)

Table 158. South America HV GaN HEMTs Market Size Forecast by Country (2025-2032) & (M USD)

Table 159. Middle East and Africa HV GaN HEMTs Consumption Forecast by Country (2025-2032) & (Units)

Table 160. Middle East and Africa HV GaN HEMTs Market Size Forecast by Country (2025-2032) & (M USD)

Table 161. Global HV GaN HEMTs Sales Forecast by Type (2025-2032) & (K Units)

Table 162. Global HV GaN HEMTs Market Size Forecast by Type (2025-2032) & (M USD)

Table 163. Global HV GaN HEMTs Price Forecast by Type (2025-2032) & (USD/Unit)

Table 164. Global HV GaN HEMTs Sales (K Units) Forecast by Application (2025-2032)

Table 165. Global HV GaN HEMTs Market Size Forecast by Application (2025-2032) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of HV GaN HEMTs
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global HV GaN HEMTs Market Size (M USD), 2019-2032
- Figure 5. Global HV GaN HEMTs Market Size (M USD) (2019-2032)
- Figure 6. Global HV GaN HEMTs Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. HV GaN HEMTs Market Size by Country (M USD)
- Figure 11. HV GaN HEMTs Sales Share by Manufacturers in 2023
- Figure 12. Global HV GaN HEMTs Revenue Share by Manufacturers in 2023
- Figure 13. HV GaN HEMTs Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market HV GaN HEMTs Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by HV GaN HEMTs Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global HV GaN HEMTs Market Share by Type
- Figure 18. Sales Market Share of HV GaN HEMTs by Type (2019-2024)
- Figure 19. Sales Market Share of HV GaN HEMTs by Type in 2023
- Figure 20. Market Size Share of HV GaN HEMTs by Type (2019-2024)
- Figure 21. Market Size Market Share of HV GaN HEMTs by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global HV GaN HEMTs Market Share by Application
- Figure 24. Global HV GaN HEMTs Sales Market Share by Application (2019-2024)
- Figure 25. Global HV GaN HEMTs Sales Market Share by Application in 2023
- Figure 26. Global HV GaN HEMTs Market Share by Application (2019-2024)
- Figure 27. Global HV GaN HEMTs Market Share by Application in 2023
- Figure 28. Global HV GaN HEMTs Sales Growth Rate by Application (2019-2024)
- Figure 29. Global HV GaN HEMTs Sales Market Share by Region (2019-2024)
- Figure 30. North America HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America HV GaN HEMTs Sales Market Share by Country in 2023

- Figure 32. U.S. HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada HV GaN HEMTs Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico HV GaN HEMTs Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe HV GaN HEMTs Sales Market Share by Country in 2023
- Figure 37. Germany HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific HV GaN HEMTs Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific HV GaN HEMTs Sales Market Share by Region in 2023
- Figure 44. China HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America HV GaN HEMTs Sales and Growth Rate (K Units)
- Figure 50. South America HV GaN HEMTs Sales Market Share by Country in 2023
- Figure 51. Brazil HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa HV GaN HEMTs Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa HV GaN HEMTs Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa HV GaN HEMTs Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global HV GaN HEMTs Production Market Share by Region (2019-2024)
- Figure 62. North America HV GaN HEMTs Production (K Units) Growth Rate (2019-2024)
- Figure 63. Europe HV GaN HEMTs Production (K Units) Growth Rate (2019-2024)
- Figure 64. Japan HV GaN HEMTs Production (K Units) Growth Rate (2019-2024)

Figure 65. China HV GaN HEMTs Production (K Units) Growth Rate (2019-2024)

Figure 66. Global HV GaN HEMTs Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global HV GaN HEMTs Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global HV GaN HEMTs Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global HV GaN HEMTs Market Share Forecast by Type (2025-2032)

Figure 70. Global HV GaN HEMTs Sales Forecast by Application (2025-2032)

Figure 71. Global HV GaN HEMTs Market Share Forecast by Application (2025-2032)

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