

Global Enhancement-mode GaN Transistor Market Growth 2025-2031

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Abstracts

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The global PPLN Waveguide Chips market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

LP Information, Inc. (LPI) ' newest research report, the "PPLN Waveguide Chips Industry Forecast" looks at past sales and reviews total world PPLN Waveguide Chips sales in 2024, providing a comprehensive analysis by region and market sector of projected PPLN Waveguide Chips sales for 2025 through 2031. With PPLN Waveguide Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world PPLN Waveguide Chips industry.

This Insight Report provides a comprehensive analysis of the global PPLN Waveguide

Chips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on PPLN Waveguide Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PPLN Waveguide Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PPLN Waveguide Chips and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global PPLN Waveguide Chips.

This report presents a comprehensive overview, market shares, and growth opportunities of PPLN Waveguide Chips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Proton in-diffused (RPE) Waveguides

Ridge-Waveguides

Segmentation by Application:

5G Communication

Big Data Processing

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

HC Photonics (HCP)

Covesion

GWU-Lasertechnik

Optilab

Yichidianzi

AdvR

Key Questions Addressed in this Report

What is the 10-year outlook for the global PPLN Waveguide Chips market?

What factors are driving PPLN Waveguide Chips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do PPLN Waveguide Chips market opportunities vary by end market size?

How does PPLN Waveguide Chips break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Enhancement-mode GaN Transistor Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Enhancement-mode GaN Transistor by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Enhancement-mode GaN Transistor by Country/Region, 2020, 2024 & 2031
- 2.2 Enhancement-mode GaN Transistor Segment by Type
 - 2.2.1 GaN on SiC
 - 2.2.2 GaN on Si
- 2.3 Enhancement-mode GaN Transistor Sales by Type
 - 2.3.1 Global Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Enhancement-mode GaN Transistor Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Enhancement-mode GaN Transistor Sale Price by Type (2020-2025)
- 2.4 Enhancement-mode GaN Transistor Segment by Application
 - 2.4.1 Wireless Infrastructure
 - 2.4.2 Radar
 - 2.4.3 Aerospace & Defence
 - 2.4.4 Test & Measurement
 - 2.4.5 Others
- 2.5 Enhancement-mode GaN Transistor Sales by Application
 - 2.5.1 Global Enhancement-mode GaN Transistor Sale Market Share by Application (2020-2025)

2.5.2 Global Enhancement-mode GaN Transistor Revenue and Market Share by Application (2020-2025)

2.5.3 Global Enhancement-mode GaN Transistor Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Enhancement-mode GaN Transistor Breakdown Data by Company

3.1.1 Global Enhancement-mode GaN Transistor Annual Sales by Company (2020-2025)

3.1.2 Global Enhancement-mode GaN Transistor Sales Market Share by Company (2020-2025)

3.2 Global Enhancement-mode GaN Transistor Annual Revenue by Company (2020-2025)

3.2.1 Global Enhancement-mode GaN Transistor Revenue by Company (2020-2025)

3.2.2 Global Enhancement-mode GaN Transistor Revenue Market Share by Company (2020-2025)

3.3 Global Enhancement-mode GaN Transistor Sale Price by Company

3.4 Key Manufacturers Enhancement-mode GaN Transistor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Enhancement-mode GaN Transistor Product Location Distribution

3.4.2 Players Enhancement-mode GaN Transistor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR ENHANCEMENT-MODE GAN TRANSISTOR BY GEOGRAPHIC REGION

4.1 World Historic Enhancement-mode GaN Transistor Market Size by Geographic Region (2020-2025)

4.1.1 Global Enhancement-mode GaN Transistor Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Enhancement-mode GaN Transistor Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Enhancement-mode GaN Transistor Market Size by Country/Region

(2020-2025)

4.2.1 Global Enhancement-mode GaN Transistor Annual Sales by Country/Region

(2020-2025)

4.2.2 Global Enhancement-mode GaN Transistor Annual Revenue by Country/Region

(2020-2025)

4.3 Americas Enhancement-mode GaN Transistor Sales Growth

4.4 APAC Enhancement-mode GaN Transistor Sales Growth

4.5 Europe Enhancement-mode GaN Transistor Sales Growth

4.6 Middle East & Africa Enhancement-mode GaN Transistor Sales Growth

5 AMERICAS

5.1 Americas Enhancement-mode GaN Transistor Sales by Country

5.1.1 Americas Enhancement-mode GaN Transistor Sales by Country (2020-2025)

5.1.2 Americas Enhancement-mode GaN Transistor Revenue by Country (2020-2025)

5.2 Americas Enhancement-mode GaN Transistor Sales by Type (2020-2025)

5.3 Americas Enhancement-mode GaN Transistor Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Enhancement-mode GaN Transistor Sales by Region

6.1.1 APAC Enhancement-mode GaN Transistor Sales by Region (2020-2025)

6.1.2 APAC Enhancement-mode GaN Transistor Revenue by Region (2020-2025)

6.2 APAC Enhancement-mode GaN Transistor Sales by Type (2020-2025)

6.3 APAC Enhancement-mode GaN Transistor Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Enhancement-mode GaN Transistor by Country

7.1.1 Europe Enhancement-mode GaN Transistor Sales by Country (2020-2025)

7.1.2 Europe Enhancement-mode GaN Transistor Revenue by Country (2020-2025)

7.2 Europe Enhancement-mode GaN Transistor Sales by Type (2020-2025)

7.3 Europe Enhancement-mode GaN Transistor Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Enhancement-mode GaN Transistor by Country

8.1.1 Middle East & Africa Enhancement-mode GaN Transistor Sales by Country (2020-2025)

8.1.2 Middle East & Africa Enhancement-mode GaN Transistor Revenue by Country (2020-2025)

8.2 Middle East & Africa Enhancement-mode GaN Transistor Sales by Type (2020-2025)

8.3 Middle East & Africa Enhancement-mode GaN Transistor Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Enhancement-mode GaN Transistor

10.3 Manufacturing Process Analysis of Enhancement-mode GaN Transistor

10.4 Industry Chain Structure of Enhancement-mode GaN Transistor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Enhancement-mode GaN Transistor Distributors

11.3 Enhancement-mode GaN Transistor Customer

12 WORLD FORECAST REVIEW FOR ENHANCEMENT-MODE GAN TRANSISTOR BY GEOGRAPHIC REGION

12.1 Global Enhancement-mode GaN Transistor Market Size Forecast by Region

12.1.1 Global Enhancement-mode GaN Transistor Forecast by Region (2026-2031)

12.1.2 Global Enhancement-mode GaN Transistor Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Enhancement-mode GaN Transistor Forecast by Type (2026-2031)

12.7 Global Enhancement-mode GaN Transistor Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 NXP Semiconductors

13.1.1 NXP Semiconductors Company Information

13.1.2 NXP Semiconductors Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.1.3 NXP Semiconductors Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 NXP Semiconductors Main Business Overview

13.1.5 NXP Semiconductors Latest Developments

13.2 STMicroelectronics

13.2.1 STMicroelectronics Company Information

13.2.2 STMicroelectronics Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.2.3 STMicroelectronics Enhancement-mode GaN Transistor Sales, Revenue, Price

and Gross Margin (2020-2025)

13.2.4 STMicroelectronics Main Business Overview

13.2.5 STMicroelectronics Latest Developments

13.3 Infineon Technologies AG

13.3.1 Infineon Technologies AG Company Information

13.3.2 Infineon Technologies AG Enhancement-mode GaN Transistor Product

Portfolios and Specifications

13.3.3 Infineon Technologies AG Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Infineon Technologies AG Main Business Overview

13.3.5 Infineon Technologies AG Latest Developments

13.4 GaN Systems

13.4.1 GaN Systems Company Information

13.4.2 GaN Systems Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.4.3 GaN Systems Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 GaN Systems Main Business Overview

13.4.5 GaN Systems Latest Developments

13.5 Nexperia

13.5.1 Nexperia Company Information

13.5.2 Nexperia Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.5.3 Nexperia Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Nexperia Main Business Overview

13.5.5 Nexperia Latest Developments

13.6 Efficient Power Conversion Corporation

13.6.1 Efficient Power Conversion Corporation Company Information

13.6.2 Efficient Power Conversion Corporation Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.6.3 Efficient Power Conversion Corporation Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Efficient Power Conversion Corporation Main Business Overview

13.6.5 Efficient Power Conversion Corporation Latest Developments

13.7 Microchip Technology

13.7.1 Microchip Technology Company Information

13.7.2 Microchip Technology Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.7.3 Microchip Technology Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Microchip Technology Main Business Overview

13.7.5 Microchip Technology Latest Developments

13.8 VisIC Technologies

13.8.1 VisIC Technologies Company Information

13.8.2 VisIC Technologies Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.8.3 VisIC Technologies Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 VisIC Technologies Main Business Overview

13.8.5 VisIC Technologies Latest Developments

13.9 Texas Instruments

13.9.1 Texas Instruments Company Information

13.9.2 Texas Instruments Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.9.3 Texas Instruments Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Texas Instruments Main Business Overview

13.9.5 Texas Instruments Latest Developments

13.10 Qorvo

13.10.1 Qorvo Company Information

13.10.2 Qorvo Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.10.3 Qorvo Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Qorvo Main Business Overview

13.10.5 Qorvo Latest Developments

13.11 RFHIC

13.11.1 RFHIC Company Information

13.11.2 RFHIC Enhancement-mode GaN Transistor Product Portfolios and Specifications

13.11.3 RFHIC Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 RFHIC Main Business Overview

13.11.5 RFHIC Latest Developments

13.12 Wolfspeed

13.12.1 Wolfspeed Company Information

13.12.2 Wolfspeed Enhancement-mode GaN Transistor Product Portfolios and

Specifications

13.12.3 Wolfspeed Enhancement-mode GaN Transistor Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Wolfspeed Main Business Overview

13.12.5 Wolfspeed Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Enhancement-mode GaN Transistor Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Enhancement-mode GaN Transistor Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of GaN on SiC

Table 4. Major Players of GaN on Si

Table 5. Global Enhancement-mode GaN Transistor Sales by Type (2020-2025) & (K Units)

Table 6. Global Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)

Table 7. Global Enhancement-mode GaN Transistor Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Enhancement-mode GaN Transistor Revenue Market Share by Type (2020-2025)

Table 9. Global Enhancement-mode GaN Transistor Sale Price by Type (2020-2025) & (US\$/Unit)

Table 10. Global Enhancement-mode GaN Transistor Sale by Application (2020-2025) & (K Units)

Table 11. Global Enhancement-mode GaN Transistor Sale Market Share by Application (2020-2025)

Table 12. Global Enhancement-mode GaN Transistor Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Enhancement-mode GaN Transistor Revenue Market Share by Application (2020-2025)

Table 14. Global Enhancement-mode GaN Transistor Sale Price by Application (2020-2025) & (US\$/Unit)

Table 15. Global Enhancement-mode GaN Transistor Sales by Company (2020-2025) & (K Units)

Table 16. Global Enhancement-mode GaN Transistor Sales Market Share by Company (2020-2025)

Table 17. Global Enhancement-mode GaN Transistor Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Enhancement-mode GaN Transistor Revenue Market Share by Company (2020-2025)

Table 19. Global Enhancement-mode GaN Transistor Sale Price by Company

(2020-2025) & (US\$/Unit)

Table 20. Key Manufacturers Enhancement-mode GaN Transistor Producing Area Distribution and Sales Area

Table 21. Players Enhancement-mode GaN Transistor Products Offered

Table 22. Enhancement-mode GaN Transistor Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Enhancement-mode GaN Transistor Sales by Geographic Region (2020-2025) & (K Units)

Table 26. Global Enhancement-mode GaN Transistor Sales Market Share Geographic Region (2020-2025)

Table 27. Global Enhancement-mode GaN Transistor Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Enhancement-mode GaN Transistor Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Enhancement-mode GaN Transistor Sales by Country/Region (2020-2025) & (K Units)

Table 30. Global Enhancement-mode GaN Transistor Sales Market Share by Country/Region (2020-2025)

Table 31. Global Enhancement-mode GaN Transistor Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Enhancement-mode GaN Transistor Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Enhancement-mode GaN Transistor Sales by Country (2020-2025) & (K Units)

Table 34. Americas Enhancement-mode GaN Transistor Sales Market Share by Country (2020-2025)

Table 35. Americas Enhancement-mode GaN Transistor Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Enhancement-mode GaN Transistor Sales by Type (2020-2025) & (K Units)

Table 37. Americas Enhancement-mode GaN Transistor Sales by Application (2020-2025) & (K Units)

Table 38. APAC Enhancement-mode GaN Transistor Sales by Region (2020-2025) & (K Units)

Table 39. APAC Enhancement-mode GaN Transistor Sales Market Share by Region (2020-2025)

Table 40. APAC Enhancement-mode GaN Transistor Revenue by Region (2020-2025)

& (\$ millions)

Table 41. APAC Enhancement-mode GaN Transistor Sales by Type (2020-2025) & (K Units)

Table 42. APAC Enhancement-mode GaN Transistor Sales by Application (2020-2025) & (K Units)

Table 43. Europe Enhancement-mode GaN Transistor Sales by Country (2020-2025) & (K Units)

Table 44. Europe Enhancement-mode GaN Transistor Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Enhancement-mode GaN Transistor Sales by Type (2020-2025) & (K Units)

Table 46. Europe Enhancement-mode GaN Transistor Sales by Application (2020-2025) & (K Units)

Table 47. Middle East & Africa Enhancement-mode GaN Transistor Sales by Country (2020-2025) & (K Units)

Table 48. Middle East & Africa Enhancement-mode GaN Transistor Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Enhancement-mode GaN Transistor Sales by Type (2020-2025) & (K Units)

Table 50. Middle East & Africa Enhancement-mode GaN Transistor Sales by Application (2020-2025) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Enhancement-mode GaN Transistor

Table 52. Key Market Challenges & Risks of Enhancement-mode GaN Transistor

Table 53. Key Industry Trends of Enhancement-mode GaN Transistor

Table 54. Enhancement-mode GaN Transistor Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Enhancement-mode GaN Transistor Distributors List

Table 57. Enhancement-mode GaN Transistor Customer List

Table 58. Global Enhancement-mode GaN Transistor Sales Forecast by Region (2026-2031) & (K Units)

Table 59. Global Enhancement-mode GaN Transistor Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Enhancement-mode GaN Transistor Sales Forecast by Country (2026-2031) & (K Units)

Table 61. Americas Enhancement-mode GaN Transistor Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Enhancement-mode GaN Transistor Sales Forecast by Region (2026-2031) & (K Units)

Table 63. APAC Enhancement-mode GaN Transistor Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Enhancement-mode GaN Transistor Sales Forecast by Country (2026-2031) & (K Units)

Table 65. Europe Enhancement-mode GaN Transistor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Enhancement-mode GaN Transistor Sales Forecast by Country (2026-2031) & (K Units)

Table 67. Middle East & Africa Enhancement-mode GaN Transistor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Enhancement-mode GaN Transistor Sales Forecast by Type (2026-2031) & (K Units)

Table 69. Global Enhancement-mode GaN Transistor Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Enhancement-mode GaN Transistor Sales Forecast by Application (2026-2031) & (K Units)

Table 71. Global Enhancement-mode GaN Transistor Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. NXP Semiconductors Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 73. NXP Semiconductors Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 74. NXP Semiconductors Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 75. NXP Semiconductors Main Business

Table 76. NXP Semiconductors Latest Developments

Table 77. STMicroelectronics Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 78. STMicroelectronics Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 79. STMicroelectronics Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 80. STMicroelectronics Main Business

Table 81. STMicroelectronics Latest Developments

Table 82. Infineon Technologies AG Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 83. Infineon Technologies AG Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 84. Infineon Technologies AG Enhancement-mode GaN Transistor Sales (K

Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 85. Infineon Technologies AG Main Business

Table 86. Infineon Technologies AG Latest Developments

Table 87. GaN Systems Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 88. GaN Systems Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 89. GaN Systems Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 90. GaN Systems Main Business

Table 91. GaN Systems Latest Developments

Table 92. Nexperia Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 93. Nexperia Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 94. Nexperia Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 95. Nexperia Main Business

Table 96. Nexperia Latest Developments

Table 97. Efficient Power Conversion Corporation Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 98. Efficient Power Conversion Corporation Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 99. Efficient Power Conversion Corporation Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 100. Efficient Power Conversion Corporation Main Business

Table 101. Efficient Power Conversion Corporation Latest Developments

Table 102. Microchip Technology Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 103. Microchip Technology Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 104. Microchip Technology Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 105. Microchip Technology Main Business

Table 106. Microchip Technology Latest Developments

Table 107. VisIC Technologies Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 108. VisIC Technologies Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 109. VisIC Technologies Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 110. VisIC Technologies Main Business

Table 111. VisIC Technologies Latest Developments

Table 112. Texas Instruments Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 113. Texas Instruments Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 114. Texas Instruments Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 115. Texas Instruments Main Business

Table 116. Texas Instruments Latest Developments

Table 117. Qorvo Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 118. Qorvo Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 119. Qorvo Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 120. Qorvo Main Business

Table 121. Qorvo Latest Developments

Table 122. RFHIC Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 123. RFHIC Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 124. RFHIC Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 125. RFHIC Main Business

Table 126. RFHIC Latest Developments

Table 127. Wolfspeed Basic Information, Enhancement-mode GaN Transistor Manufacturing Base, Sales Area and Its Competitors

Table 128. Wolfspeed Enhancement-mode GaN Transistor Product Portfolios and Specifications

Table 129. Wolfspeed Enhancement-mode GaN Transistor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 130. Wolfspeed Main Business

Table 131. Wolfspeed Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Enhancement-mode GaN Transistor
- Figure 2. Enhancement-mode GaN Transistor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Enhancement-mode GaN Transistor Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global Enhancement-mode GaN Transistor Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Enhancement-mode GaN Transistor Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Enhancement-mode GaN Transistor Sales Market Share by Country/Region (2024)
- Figure 10. Enhancement-mode GaN Transistor Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of GaN on SiC
- Figure 12. Product Picture of GaN on Si
- Figure 13. Global Enhancement-mode GaN Transistor Sales Market Share by Type in 2025
- Figure 14. Global Enhancement-mode GaN Transistor Revenue Market Share by Type (2020-2025)
- Figure 15. Enhancement-mode GaN Transistor Consumed in Wireless Infrastructure
- Figure 16. Global Enhancement-mode GaN Transistor Market: Wireless Infrastructure (2020-2025) & (K Units)
- Figure 17. Enhancement-mode GaN Transistor Consumed in Radar
- Figure 18. Global Enhancement-mode GaN Transistor Market: Radar (2020-2025) & (K Units)
- Figure 19. Enhancement-mode GaN Transistor Consumed in Aerospace & Defence
- Figure 20. Global Enhancement-mode GaN Transistor Market: Aerospace & Defence (2020-2025) & (K Units)
- Figure 21. Enhancement-mode GaN Transistor Consumed in Test & Measurement
- Figure 22. Global Enhancement-mode GaN Transistor Market: Test & Measurement (2020-2025) & (K Units)
- Figure 23. Enhancement-mode GaN Transistor Consumed in Others
- Figure 24. Global Enhancement-mode GaN Transistor Market: Others (2020-2025) & (K Units)

Units)

Figure 25. Global Enhancement-mode GaN Transistor Sale Market Share by Application (2024)

Figure 26. Global Enhancement-mode GaN Transistor Revenue Market Share by Application in 2025

Figure 27. Enhancement-mode GaN Transistor Sales by Company in 2025 (K Units)

Figure 28. Global Enhancement-mode GaN Transistor Sales Market Share by Company in 2025

Figure 29. Enhancement-mode GaN Transistor Revenue by Company in 2025 (\$ millions)

Figure 30. Global Enhancement-mode GaN Transistor Revenue Market Share by Company in 2025

Figure 31. Global Enhancement-mode GaN Transistor Sales Market Share by Geographic Region (2020-2025)

Figure 32. Global Enhancement-mode GaN Transistor Revenue Market Share by Geographic Region in 2025

Figure 33. Americas Enhancement-mode GaN Transistor Sales 2020-2025 (K Units)

Figure 34. Americas Enhancement-mode GaN Transistor Revenue 2020-2025 (\$ millions)

Figure 35. APAC Enhancement-mode GaN Transistor Sales 2020-2025 (K Units)

Figure 36. APAC Enhancement-mode GaN Transistor Revenue 2020-2025 (\$ millions)

Figure 37. Europe Enhancement-mode GaN Transistor Sales 2020-2025 (K Units)

Figure 38. Europe Enhancement-mode GaN Transistor Revenue 2020-2025 (\$ millions)

Figure 39. Middle East & Africa Enhancement-mode GaN Transistor Sales 2020-2025 (K Units)

Figure 40. Middle East & Africa Enhancement-mode GaN Transistor Revenue 2020-2025 (\$ millions)

Figure 41. Americas Enhancement-mode GaN Transistor Sales Market Share by Country in 2025

Figure 42. Americas Enhancement-mode GaN Transistor Revenue Market Share by Country (2020-2025)

Figure 43. Americas Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)

Figure 44. Americas Enhancement-mode GaN Transistor Sales Market Share by Application (2020-2025)

Figure 45. United States Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 46. Canada Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 47. Mexico Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 48. Brazil Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 49. APAC Enhancement-mode GaN Transistor Sales Market Share by Region in 2025

Figure 50. APAC Enhancement-mode GaN Transistor Revenue Market Share by Region (2020-2025)

Figure 51. APAC Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)

Figure 52. APAC Enhancement-mode GaN Transistor Sales Market Share by Application (2020-2025)

Figure 53. China Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 54. Japan Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 55. South Korea Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 56. Southeast Asia Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 57. India Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 58. Australia Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 59. China Taiwan Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 60. Europe Enhancement-mode GaN Transistor Sales Market Share by Country in 2025

Figure 61. Europe Enhancement-mode GaN Transistor Revenue Market Share by Country (2020-2025)

Figure 62. Europe Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)

Figure 63. Europe Enhancement-mode GaN Transistor Sales Market Share by Application (2020-2025)

Figure 64. Germany Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 65. France Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 66. UK Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$

millions)

Figure 67. Italy Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 68. Russia Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 69. Middle East & Africa Enhancement-mode GaN Transistor Sales Market Share by Country (2020-2025)

Figure 70. Middle East & Africa Enhancement-mode GaN Transistor Sales Market Share by Type (2020-2025)

Figure 71. Middle East & Africa Enhancement-mode GaN Transistor Sales Market Share by Application (2020-2025)

Figure 72. Egypt Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 73. South Africa Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 74. Israel Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 75. Turkey Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 76. GCC Countries Enhancement-mode GaN Transistor Revenue Growth 2020-2025 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of Enhancement-mode GaN Transistor in 2025

Figure 78. Manufacturing Process Analysis of Enhancement-mode GaN Transistor

Figure 79. Industry Chain Structure of Enhancement-mode GaN Transistor

Figure 80. Channels of Distribution

Figure 81. Global Enhancement-mode GaN Transistor Sales Market Forecast by Region (2026-2031)

Figure 82. Global Enhancement-mode GaN Transistor Revenue Market Share Forecast by Region (2026-2031)

Figure 83. Global Enhancement-mode GaN Transistor Sales Market Share Forecast by Type (2026-2031)

Figure 84. Global Enhancement-mode GaN Transistor Revenue Market Share Forecast by Type (2026-2031)

Figure 85. Global Enhancement-mode GaN Transistor Sales Market Share Forecast by Application (2026-2031)

Figure 86. Global Enhancement-mode GaN Transistor Revenue Market Share Forecast by Application (2026-2031)

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