

# Global High Electron Mobility Transistors (HEMT) Market Growth 2025-2031

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## Abstracts

The global High Electron Mobility Transistors (HEMT) market size is predicted to grow from US\$ 2103 million in 2025 to US\$ 3472 million in 2031; it is expected to grow at a CAGR of 8.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

United States market for High Electron Mobility Transistors (HEMT) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for High Electron Mobility Transistors (HEMT) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for High Electron Mobility Transistors (HEMT) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key High Electron Mobility Transistors (HEMT) players cover Fujitsu, Mitsubishi Electric, Ampleon, Qorvo, Oki Electric, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "High Electron Mobility Transistors (HEMT) Industry Forecast" looks at past sales and reviews total world High

Electron Mobility Transistors (HEMT) sales in 2024, providing a comprehensive analysis by region and market sector of projected High Electron Mobility Transistors (HEMT) sales for 2025 through 2031. With High Electron Mobility Transistors (HEMT) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Electron Mobility Transistors (HEMT) industry.

This Insight Report provides a comprehensive analysis of the global High Electron Mobility Transistors (HEMT) 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 High Electron Mobility Transistors (HEMT) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Electron Mobility Transistors (HEMT) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Electron Mobility Transistors (HEMT) 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 High Electron Mobility Transistors (HEMT).

This report presents a comprehensive overview, market shares, and growth opportunities of High Electron Mobility Transistors (HEMT) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GaN

GaN/SiC

GaAs

Segmentation by Application:

Energy & Power

Consumer Electronics

Inverter & UPS

Industrial

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.

Fujitsu

Mitsubishi Electric

Ampleon

Qorvo

Oki Electric

Lake Shore Cryotronics

Cree

TOSHIBA

Microchip Technology

### Key Questions Addressed in this Report

What is the 10-year outlook for the global High Electron Mobility Transistors (HEMT) market?

What factors are driving High Electron Mobility Transistors (HEMT) market growth, globally and by region?

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

How do High Electron Mobility Transistors (HEMT) market opportunities vary by end market size?

How does High Electron Mobility Transistors (HEMT) break out by Type, by Application?

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