

Global RF GaN Transistors Market Growth 2023-2029

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Abstracts

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Gallium nitride materials have higher critical electric fields, unique and excellent dynamic on-resistance, and lower capacitance, making them particularly suitable for power semiconductor devices. GaN transistors can operate with reduced dead time, increasing efficiency, and enabling passive cooling. Operating at high switching frequencies can reduce the size of passive devices, thereby increasing the reliability and overall power density of GaN HEMTs.

LPI (LP Information)' newest research report, the "RF GaN Transistors Industry Forecast" looks at past sales and reviews total world RF GaN Transistors sales in 2022, providing a comprehensive analysis by region and market sector of projected RF GaN Transistors sales for 2023 through 2029. With RF GaN Transistors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world RF GaN Transistors industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for RF GaN Transistors 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 RF GaN Transistors.

The global RF GaN Transistors market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for RF GaN Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for RF GaN Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for RF GaN Transistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key RF GaN Transistors players cover Wolfspeed, Qorvo, Microchip Technology, Ampleon, Integra Technologies, Efficient Power Conversion, Tagore Technology, Analog Devices and RFHIC, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of RF GaN Transistors market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

6 Inches

8 Inches

Others

Segmentation by application

Radar

Satellite Communications

Mobile Communication

Avionics

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 analyzing the company's coverage, product portfolio, its market penetration.

Wolfspeed

Qorvo

Microchip Technology

Ampleon

Integra Technologies

Efficient Power Conversion

Tagore Technology

Analog Devices

RFHIC

MACOM

NXP Semiconductors

Mitsubishi Electric

Toshiba

Noletec

STMicroelectronics

Infineon Technologies

Teledyne Defense Electronics

AMCOM Communication

WAVICE

Innogrations Technologies

Renesas

Key Questions Addressed in this Report

What is the 10-year outlook for the global RF GaN Transistors market?

What factors are driving RF GaN Transistors market growth, globally and by region?

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

How do RF GaN Transistors market opportunities vary by end market size?

How does RF GaN Transistors break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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