

Global RF Monolithic Microwave Integrated Circuit (MMIC) Market Growth 2025-2031

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Abstracts

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The global RF Monolithic Microwave Integrated Circuit (MMIC) market size is predicted to grow from US\$ 11500 million in 2025 to US\$ 26360 million in 2031; it is expected to grow at a CAGR of 14.8% from 2025 to 2031.

MMIC is a type of integrated circuit (IC) device that operates at microwave frequencies (300 MHz to 300 GHz). MMICs contain active, passive, and interconnect components. These devices typically perform functions such as microwave mixing, power amplification, low-noise amplification, and high-frequency switching. Most of MMICs are fabricated on III-V compound substrates such as GaAs, InP, and GaN, silicon and SiGe MMICs are also becoming commonplace, especially where complex mixed signal systems need to be integrated on the same chip. MMICs are the components of choice for most of high-frequency applications. They offer several advantages over their discrete or hybrid counterparts, such as reduced size, low cost, and high reproducibility and repeatable performance.

Global RF monolithic microwave integrated circuit (MMIC) key players include ON Semiconductor, TI, ADI, Northrop Grumman, Cree, etc. Global top 3 manufacturers hold a share about 20%.

North America is the largest market, with a share about 45%, followed by Europe and Asia-Pacific, both have a share about 47 percent.

LP Information, Inc. (LPI) ' newest research report, the "RF Monolithic Microwave Integrated Circuit (MMIC) Industry Forecast" looks at past sales and reviews total world

RF Monolithic Microwave Integrated Circuit (MMIC) sales in 2024, providing a comprehensive analysis by region and market sector of projected RF Monolithic Microwave Integrated Circuit (MMIC) sales for 2025 through 2031. With RF Monolithic Microwave Integrated Circuit (MMIC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world RF Monolithic Microwave Integrated Circuit (MMIC) industry.

This Insight Report provides a comprehensive analysis of the global RF Monolithic Microwave Integrated Circuit (MMIC) 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 Monolithic Microwave Integrated Circuit (MMIC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global RF Monolithic Microwave Integrated Circuit (MMIC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for RF Monolithic Microwave Integrated Circuit (MMIC) 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 Monolithic Microwave Integrated Circuit (MMIC).

This report presents a comprehensive overview, market shares, and growth opportunities of RF Monolithic Microwave Integrated Circuit (MMIC) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GaAs

GaN

SiGe

Others

Segmentation by Application:

Consumer Electronics

IT & Telecommunications

Automation

Aerospace & Defense

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.

ON Semiconductor

TI

ADI

Northrop Grumman

Cree

NXP Semiconductors

Arralis

Microchip Technology

ASB

Mitsubishi Electric

Skyworks

Microwave Technology

MACOM

Microarray Technologies

Wolfspeed

Key Questions Addressed in this Report

What is the 10-year outlook for the global RF Monolithic Microwave Integrated Circuit (MMIC) market?

What factors are driving RF Monolithic Microwave Integrated Circuit (MMIC) market growth, globally and by region?

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

How do RF Monolithic Microwave Integrated Circuit (MMIC) market opportunities vary by end market size?

How does RF Monolithic Microwave Integrated Circuit (MMIC) break out by Type, by Application?

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