

Global Automotive Grade RFCMOS MMIC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automotive Grade RFCMOS MMIC market size is expected to reach \$ 671 million by 2032, rising at a market growth of 15.1% CAGR during the forecast period (2026-2032).

Automotive Grade RFCMOS MMIC is a highly integrated CMOS-based millimeter-wave circuit designed for angle radar and forward radar, providing stable RF performance, low power consumption, and high reliability required for advanced automotive sensing and cost-efficient system design. In 2025, production was approximately 16 million units and the average price was USD 15 per unit. The industry's capacity utilization rate in 2025 was about 52% and the average gross margin was around 56%. Upstream, the most critical inputs include silicon wafers, photoresists, lithography machines, and etching tools, with representative suppliers such as ASML, Tokyo Electron, and Applied Materials offering essential semiconductor materials and equipment. The midstream segment covers system architecture design, analog front-end development, RF and baseband integration, digital signal processing, mixed-signal verification, and tape-out management, which jointly determine integration level and signal performance.

Downstream, Automotive Grade RFCMOS MMIC is used by angle radar and forward radar manufacturers such as Bosch, Continental, Aptiv, Valeo, Denso, ZF, and Huawei in advanced driver assistance and autonomous driving radar platforms.

This report studies the global Automotive Grade RFCMOS MMIC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Grade RFCMOS MMIC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive Grade RFCMOS MMIC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive Grade RFCMOS MMIC total production and demand, 2021-2032, (Million Units)

Global Automotive Grade RFCMOS MMIC total production value, 2021-2032, (USD Million)

Global Automotive Grade RFCMOS MMIC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Automotive Grade RFCMOS MMIC consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Automotive Grade RFCMOS MMIC domestic production, consumption, key domestic manufacturers and share

Global Automotive Grade RFCMOS MMIC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Automotive Grade RFCMOS MMIC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Automotive Grade RFCMOS MMIC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Automotive Grade RFCMOS MMIC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP Semiconductors, Texas Instruments, Infineon Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive Grade RFCMOS MMIC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive Grade RFCMOS MMIC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive Grade RFCMOS MMIC Market, Segmentation by Type:

3Tx/4Rx

2Tx/3Rx

Others

Global Automotive Grade RFCMOS MMIC Market, Segmentation by Grade:

ISO 26262 ASIL C

ISO 26262 ASIL B

Others

Global Automotive Grade RFCMOS MMIC Market, Segmentation by Package:

BGA Package

SiP Package

Global Automotive Grade RFCMOS MMIC Market, Segmentation by Application:

Corner Radar

Front Radar

Others

Companies Profiled:

NXP Semiconductors

Texas Instruments

Infineon Technologies

Key Questions Answered:

1. How big is the global Automotive Grade RFCMOS MMIC market?
2. What is the demand of the global Automotive Grade RFCMOS MMIC market?
3. What is the year over year growth of the global Automotive Grade RFCMOS MMIC market?
4. What is the production and production value of the global Automotive Grade RFCMOS MMIC market?
5. Who are the key producers in the global Automotive Grade RFCMOS MMIC market?
6. What are the growth factors driving the market demand?

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