RF Power Amplifier Market Research Report - Global Forecast 2023

Description:
Global RF Power Amplifier Market, By Frequency (< 10 GHz, 10-20 GHz, 20-30 GHz, 30+ GHz), By Raw Material (By Raw Material, Gallium Arsenide, Gallium Nitride, Silicon Germanium and Others), By Packaging Type (Surface Mount, Die, Stand Alone/Rack Mount and Others), By Application (Consumer Electronics, Aerospace & Defence, Automotive Medical and Others), By Region – Forecast to 2023

Market Snapshot
RF power amplifiers continue to be a critical component in radio communications that transmit high-frequency signals. They are a core part of all base stations in cellular and mobile wireless infrastructure. The significant technological application of the product also points out towards the tremendous market opportunity it holds. In 2017, the global market for RF power amplifier surpassed a valuation of USD 11 Bn, and the figure is likely to grow more than twofold by the year 2023, exhibiting an impressive compound annual growth rate. Also, the rapid expansion of cellular networks across the globe has provided an impetus to the demand for RF power amplifiers. Countries such as China, India, Mexico, Brazil and some of the GCC and ASEAN members are likely to present significant market opportunities during the review period owing to the massive investments that are being made to improve the network infrastructure in these countries. Growing importance of power efficiency and IoT boom are some of the other factors expected to support the growth of the RF power amplifier market in the years to come.

Report Overview
This MRFR market perspective delivers a detailed analysis of the current scenario in the global RF power amplifier market along with revenue forecast till 2023. It also undertook the task of identifying all the critical parameters governing the growth of the RF power amplifier market. The scope of the discussion covered market sizing based on different RF power amplifier frequencies - <10 GHz, 10-20 GHz, 20-30 GHz, 30-60 GHz, and 60+ GHz. Furthermore, analysis of raw materials used for manufacturing RF power amplifiers is also available, which include silicon, gallium arsenide, gallium nitride, silicon germanium. The key packaging types mentioned in the research document include surface mount, die, and standalone/rack mount. Consumer electronics, aerospace & defense, automotive, and medical are among the primary sectors examined for product application opportunities.

Report Coverage
Historical market trends, market dynamics, forecast, market value by region as well as by segmentation, country-level analysis for each market segment, key player’s market share analysis and market factor analysis which covers supply chain and Porter's five forces analysis of the market.

Players Covered

Research Methodology
MRFR employs innovative and fail-safe research methodologies for projecting market growth and analyzing industry trends. We strive to provide an error-free market trend analysis to assist our clients in preparing for industrial diversions likely to arise in the future. The implementation of primary and secondary research, which includes data mining from fact sheets published by industry leaders, interviews with industry opinion holders, surveys, historical analysis, and whitepaper references available in public domain among others authenticates the credibility of our market assessments. The focus is on identifying the opportunities and threats in markets and submarkets to ensure an accurate projection of statistically backed data that is essential for staying ahead of the curve and sustain the shifts in the market. Top-down and bottom-up approaches employed ensures delivery of high quality and comprehensive market insights. By utilizing a multi-layer verification process, the authenticity of the derived conclusions is reaffirmed.

Other Description
- Market Denomination- USD Million
- Base Year- 2016
- Forecast Period- From 2017 to 2023
For the scope of the research, MRFR’s report offers a comprehensive segmental analysis of the global market for RF power amplifiers.

By Frequency
- <10 GHz
- 10-20 GHz
- 20-30 GHz
- 30-60 GHz
- 60+ GHz

By Raw Material
- Silicon
- Gallium Arsenide
- Gallium Nitride
- Silicon Germanium
- Others

By Packaging Type
- Surface Mount
- Die
- Stand Alone/ Rack Mount
- Others

By Application Type
- Consumer Electronics
- Aerospace & Defense
- Automotive
- Medical
- Others

By Region
- North America
  - S. Canada
- Europe
  - Germany
  - France
  - The Netherlands
  - Rest of Europe
- Asia Pacific
  - China
  - Japan
  - India
  - South Korea
  - Taiwan
  - Rest of Asia Pacific
  - Rest of The World

Intended Audience:
- Technology Investors
- Research/Consultancy Firms
- Original equipment manufacturers (OEMs)
- OEM technology solution providers
- Amplifiers Manufacturers
- Amplifiers Suppliers
- Manufacturing Companies
- Consumers
GLOBAL RF POWER AMPLIFIER MARKET

Global RF Power Amplifier Market has reached USD 11.28 Billion in 2016 and is projected to exhibit USD 24.26 Billion by 2023 with a growing CAGR of 13.37%.

Asia Pacific is dominating the market with USD XX Billion in 2016 and is projected to reach USD XX Billion by 2023 with a growing CAGR of XX%.

DRIVERS

- Increasing demand from cellular networks
- Increasing adoption of IoT

RERAINTS

- High operating costs
- Dynamic nature of semiconductor industry

OPPORTUNITY

- Innovation in Linearization and Power Efficiency of RF Power Amplifier