

Global RF Filter Market Size study & Forecast, by Application (Navigation, Radio Broadcast, TV Broadcast, Mobile Phone Communication, Satellite Communication, Aerospace and Defence, Others) By Voltage (SAW Filter, BAW Filter) and Regional Analysis, 2023-2030

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Abstracts

Global RF Filter Market is valued approximately USD 12.24 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 16.6% over the forecast period 2023-2030. RF (radio frequency) filters are electronic circuits designed to allow certain frequencies of signals to pass through while attenuating or blocking other frequencies. They are used in various applications such as wireless communication, radar systems, satellite communication, and more. The RF Filter market is expanding because of factors such as increasing demand of wireless systems and growing number of smartphone users. RF filters can be designed using a variety of techniques including inductance-capacitance circuits, crystal filters, and surface acoustic wave filters. Its importance has progressively increased during the last few decades.

Since network infrastructure can be a mix of hardware devices, software applications, and network services. According to the Statista, the global 5G network infrastructure accounts USD 19.13 billion in 2021. Furthermore, in 2020, the global wireless connectivity market revenue has reached around USD 54.7 billion. Another important component driving space increase is number of smartphone users. As per Statista, in 2022, Reliance Jio was the market leader with more than 419 million wireless telecom subscribers in India. The second-largest telecom market in the world was in the south Asian nation. In India, there were approx. 1.15 billion mobile subscribers in 2021. In addition, nearly 6.6 billion people worldwide had smartphone mobile network

subscriptions in 2022, and by 2028, that number is expected to exceed 7.8 billion. The nations with the most smartphone mobile network subscriptions are China, India, and the United States. Also, rising technological advancement in RF Filter and growing adoption of 5G infrastructure would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of RF Filter stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global RF Filter Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increasing adoption of wireless network in the region. According to the Statista, the wireless industry in the United States generated service revenues of USD 204.21 billion in 2021. Furthermore, Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising number of active mobile phone users and rising telecom industry in the market space.

Major market player included in this report are:

MPG - Microwave Products Group

NXP Semiconductors N.V

Analog Devices, Inc.,

STMicroelectronics,

Murata Manufacturing Co.Ltd

Broadcom Inc.,

Anatech Electronics, Inc

RS Microwave Company, Inc

API Technologies Corp.

ITbirds Technology

Recent Developments in the Market:

In April 2023, STMicroelectronics and Atomera Incorporated collaborates to give ST permission to integrate Atomera's Mears Silicon Technology™ into its infrastructure and to manufacture and sell MST-capable devices to its existing clients.

Global RF Filter Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Application, Voltage, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application

Navigation

Radio Broadcast

TV Broadcast

Mobile Phone Communication

Satellite Communication

Aerospace and Defense

Others

By Voltage

SAW Filter

BAW Filter

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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