

# **Microwave Devices Market Report by Product Type (Passive Microwave Devices, Active Microwave Devices), Frequency (L Band, X Band, S Band, C Band, Ku Band, Ka Band, and Others), Application (Defense, Commercial, Space and Communication, and Others), and Region 2023-2028**

<https://marketpublishers.com/r/M563817FC31AEN.html>

Date: November 2023

Pages: 147

Price: US\$ 2,499.00 (Single User License)

ID: M563817FC31AEN

## **Abstracts**

The global microwave devices market size reached US\$ 5.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 8.4 Billion by 2028, exhibiting a growth rate (CAGR) of 6.06% during 2022-2028.

Microwave devices provide high-speed wireless connections to send and receive voice, video, and data information. They are used in point-to-point connections on the surface of the Earth and satellite and deep-space radio communications. They are also utilized in radars, radio navigation systems, sensor systems, and radio astronomy. Additionally, leading players are introducing new product variants to meet the ever-changing market demands. These products include improved and expanded lines of attenuators and terminations, combine cavity filters, and directional couplers.

### **Microwave Devices Market Trends:**

The growing prevalence of life-threatening diseases represents one of the major factors positively influencing the use of microwave devices in the healthcare industry for medical imaging, thermal ablation of tissues, and bleeding coagulation in vascular organs, such as the liver and spleen. In addition, they are utilized in advanced warming devices that find application in operating rooms, emergency settings, and intensive care units (ICUs) to provide warm fluid to patients with hypothermia or other rare conditions. Besides this, microwave communication infrastructure is used in wireless backhauls that

are gaining immense traction over wireline networks across the globe. Moreover, the rising penetration of wireless communication networks is bolstering the market growth. Apart from this, high-power microwave technology finds extensive applications in the development of electromagnetic bombs during strategic and tactical information warfare. This, along with the escalating demand for enhanced communication services that can transfer confidential information, is driving the adoption of microwave devices for defense purposes. Furthermore, manufacturers are focusing on developing next-generation microwave devices with hybrid spin electromagnetic waves in ferrite-ferroelectric layered structures, which is projected to offer lucrative growth opportunities to market players.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global microwave devices market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, frequency and application.

#### Breakup by Product Type:

- Passive Microwave Devices
- Active Microwave Devices

#### Breakup by Frequency:

- L Band
- X Band
- S Band
- C Band
- Ku Band
- Ka Band
- Others

#### Breakup by Application:

- Defense
- Commercial
- Space and Communication
- Others

## Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

## Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Analog Devices Inc., CPI International Inc., Kratos Defense & Security Solutions Inc., L3Harris Technologies Inc., Littelfuse Inc, MACOM Technology Solutions, Microchip Technology Inc., Qorvo Inc, Teledyne Technologies Incorporated, Thales Group and Toshiba Corporation.

## Key Questions Answered in This Report

1. How big is the global microwave devices market?
2. What is the expected growth rate of the global microwave devices market during 2023-2028?

3. What are the key factors driving the global microwave devices market?
4. What has been the impact of COVID-19 on the global microwave devices market?
5. What is the breakup of the global microwave devices market based on the product type?
6. What is the breakup of the global microwave devices market based on the frequency?
7. What is the breakup of the global microwave devices market based on the application?
8. What are the key regions in the global microwave devices market?
9. Who are the key players/companies in the global microwave devices market?

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