Resonators Market Size to Reach US$ 22.32 Billion by 2028 | IMARC Group

The global resonators market size reach US$ 22.32 Billion by 2028, exhibiting a growth rate (CAGR) of 18.65% during 2023-2028.

Resonators Market Research and Forecast Report 2023-2028

NY 11249, BROOKLYN, UNITED STATES, June 27, 2023 /EINPresswire.com/ -- According to the latest report by IMARC Group, titled, “Resonators Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028“, The global resonators market size reached US$ 7.83 Billion in 2022. Looking forward, IMARC Group expects the market to reach US$ 22.32 Billion by 2028, exhibiting a growth rate (CAGR) of 18.65% during 2023-2028.

Resonators refer to devices utilized to modulate sound or vibration, effectively canceling out specific ranges of frequencies and eliminating harsh pitches. In the automotive sector, these instruments play a crucial role in modulating exhaust sound and reducing the decibel level before reaching the muffler. Resonators are integral to sound control strategies in cars and can complement existing setups, eliminate unwanted noise while preserving desired tones, or even replace mufflers or baffling. In addition to this, these devices enable frequency filtering, signal amplification, and signal processing that aid in extending their applications to musical instruments, electronic circuits, and optical devices. As a result, resonators find widespread usage in scientific research, providing valuable insights into the mechanical, electrical, or optical properties of various materials.

Get a PDF Sample for more detailed market insights: https://www.imarcgroup.com/resonators-market/requestsample

Resonators Market Trends and Drivers:

The expanding automotive sector, where these devices are used for several purposes, such as

infotainment systems, advanced driver-assistance systems (ADAS), and engine control units, is primarily driving the resonators market. Besides this, the extensive utilization of these instruments in smartphones, tablets, smartwatches, and other consumer electronics to enhance their connectivity and performance is further augmenting the market growth. Moreover, resonators play a crucial role in signal processing, frequency control, and data transmission across wireless networks, including fifth generation (5G) and Wi-Fi, which are also catalyzing the global market. Apart from this, the escalating demand for these devices in the aerospace and defense sectors for navigation systems, satellite communication, radar systems, and military applications and the rising automation and robotics in manufacturing, logistics, and energy industries to enable accurate timing, control, and synchronization in several types of machinery are acting as significant growth-inducing factors. Furthermore, advancements in surface acoustic wave (SAW) and microelectromechanical systems (MEMS) and the elevating requirement for these machines in medical equipment for precise frequency control and signal processing are expected to bolster the resonators market in the coming years.

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Resonators Market 2023-2028 Competitive Analysis and Segmentation:

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players.

Abracon LLC
IQD Frequency Products Ltd (Adolf Würth GmbH & Co. KG)
Microchip Technology Inc
Murata Manufacturing Co., Ltd.
SHOULDER Electronics Limited
SiTime Corporation
Token Electronics Industry Co. Ltd.
TXC Corporation, etc.

The report has segmented the market based on type and application.

Type Insights:
MEMS Resonators
Crystal Resonators

Application Insights:
Telecommunication
Alarms and Detection
Military and Space

Automotive
Others

Breakup by Region:
North America
Asia-Pacific
Europe
Latin America
Middle East and Africa

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Key highlights of the report:

Market Performance (2017-2022)
Market Outlook (2023-2028)
Porter's Five Forces Analysis
Market Drivers and Success Factors
SWOT Analysis
Value Chain
Comprehensive Mapping of the Competitive Landscape

If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

About Us

IMARC Group is a leading market research company that offers management strategy and market research worldwide. We partner with clients in all sectors and regions to identify their highest-value opportunities, address their most critical challenges, and transform their businesses.

IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

Our offerings include comprehensive market intelligence in the form of research reports, production cost reports, feasibility studies, and consulting services. Our team, which includes experienced researchers and analysts from various industries, is dedicated to providing high-quality data and insights to our clientele, ranging from small and medium businesses to Fortune

1000 corporations.

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