

# Global Crystal and Oscillators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GE3DBBFD753CEN.html>

Date: January 2024

Pages: 135

Price: US\$ 3,480.00 (Single User License)

ID: GE3DBBFD753CEN

## Abstracts

According to our (Global Info Research) latest study, the global Crystal and Oscillators market size was valued at USD 4377.6 million in 2023 and is forecast to a readjusted size of USD 5577.7 million by 2030 with a CAGR of 3.5% during review period.

Crystal and Oscillators is a basic electronic component that uses the piezoelectric effect, high stability, high quality factor, and low loss of quartz itself to provide standard frequency sources and clock pulse signals. It is the basic support industry for the electronic information industry. Applied to information equipment, mobile terminals, communication and network equipment, automotive electronics, smart home, wearable, smart home products, etc.

Global key players of Crystal and Oscillators include Seiko Epson Corp, TXC Corporation, NDK, KCD and KDS, etc. The top five players hold a share about 40%. Japan is the largest market, has a share about 40%. In terms of product type, Crystal Units is the largest segment, occupied for a share of about 53%, and in terms of application, Mobile Terminal has a share about 47 percent.

The Global Info Research report includes an overview of the development of the Crystal and Oscillators industry chain, the market status of Mobile Terminal (Crystal Units, Crystal Oscillators), Automotive Electronics (Crystal Units, Crystal Oscillators), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Crystal and Oscillators.

Regionally, the report analyzes the Crystal and Oscillators markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives

and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Crystal and Oscillators market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Crystal and Oscillators market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Crystal and Oscillators industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Crystal Units, Crystal Oscillators).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Crystal and Oscillators market.

**Regional Analysis:** The report involves examining the Crystal and Oscillators market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Crystal and Oscillators market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Crystal and Oscillators:

**Company Analysis:** Report covers individual Crystal and Oscillators manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Crystal and Oscillators. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Mobile Terminal, Automotive Electronics).

**Technology Analysis:** Report covers specific technologies relevant to Crystal and Oscillators. It assesses the current state, advancements, and potential future developments in Crystal and Oscillators areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Crystal and Oscillators market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Crystal and Oscillators market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Crystal Units

Crystal Oscillators

### Market segment by Application

Mobile Terminal

Automotive Electronics

Wearable Device

Smart Home

Internet of Things

Others

#### Major players covered

Seiko Epson Corp

TXC Corporation

NDK

KCD

KDS

Microchip

SiTime

TKD Science

Rakon

Murata Manufacturing

Harmony

Hosonic Electronic

Siward Crystal Technology

Micro Crystal

Failong Crystal Technologies

River Eletec Corporation

ZheJiang East Crystal

Guoxin Micro

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Crystal and Oscillators product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Crystal and Oscillators, with price, sales, revenue and global market share of Crystal and Oscillators from 2019 to 2024.

Chapter 3, the Crystal and Oscillators competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Crystal and Oscillators breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Crystal and Oscillators market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Crystal and Oscillators.

Chapter 14 and 15, to describe Crystal and Oscillators sales channel, distributors, customers, research findings and conclusion.

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