

Global Automotive Quartz Crystal and Oscillator Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Quartz Crystal and Oscillator market size was valued at US\$ 703 million in 2024 and is forecast to a readjusted size of USD 1830 million by 2031 with a CAGR of 14.8% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Automotive Quartz Crystal and Oscillator are specialized electronic components designed and manufactured to meet the stringent requirements of the automotive industry. These components play a crucial role in various automotive systems, providing precise timing signals for critical functions such as engine control, transmission control, safety systems, infotainment systems, and telematics.

This report is a detailed and comprehensive analysis for global Automotive Quartz Crystal and Oscillator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive Quartz Crystal and Oscillator market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Quartz Crystal and Oscillator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Quartz Crystal and Oscillator market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Quartz Crystal and Oscillator market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Quartz Crystal and Oscillator

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Quartz Crystal and Oscillator market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NDK, TXC Corporation, Kyocera, Seiko Epson Corp, Daishinku Corp (KDS), TKD Science, Guoxin Micro, Harmony, Shenzhen Yangxing, JGHC, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Automotive Quartz Crystal and Oscillator market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Crystal Units

Temperature-Controlled Quartz Crystal Oscillator(TCXO)

Voltage-Controlled Quartz Crystal Oscillator

Oven-Controlled Quartz Crystal Oscillator

Quartz Crystals& Clock Oscillator

Market segment by Application

Chassis & Safety Systems

Powertrain Systems

Body Systems

ADAS

Infotainment Systems

Network & Telematics Systems

Others

Major players covered

NDK

TXC Corporation

Kyocera

Seiko Epson Corp

Daishinku Corp (KDS)

TKD Science

Guoxin Micro

Harmony

Shenzhen Yangxing

JGHC

Micro Crystal (Swatch Group)

Diodes

Murata

River Eletec Corporation

Hosonic Electronic

Siward Crystal Technology

Aker Technology

Raltron Electronics Corporation

Abracon

Mercury Electronic Industrial

Hong Kong Crystal

IQD Frequency Products Ltd

Failong Crystal Technologies

ECS

Jauch Group

NSK (JenJaan Quartek Corporation)

ZheJiang East Crystal

Golledge Electronics

ShenZhen Crystal Technology Industrial

Taitien Electronics Co., Ltd

Shenzhen Genuway

Rakon Limited

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 Automotive Quartz Crystal and Oscillator product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Quartz Crystal and Oscillator, with price, sales quantity, revenue, and global market share of Automotive Quartz Crystal and Oscillator from 2020 to 2025.

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

Chapter 4, the Automotive Quartz Crystal and Oscillator breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Automotive Quartz Crystal and Oscillator market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Automotive Quartz Crystal and Oscillator.

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

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