

Global MEMS and Crystal Oscillators Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/M7FEFCFD87F5EN.html>

Date: July 2025

Pages: 135

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

ID: M7FEFCFD87F5EN

Abstracts

According to our (Global Info Research) latest study, the global MEMS and Crystal Oscillators market size was valued at US\$ 1627 million in 2024 and is forecast to a readjusted size of USD 2435 million by 2031 with a CAGR of 6.0% during review period.

An electronic oscillator is an electronic circuit that produces a periodic, oscillating electronic signal, often a sine wave or a square wave.

A crystal oscillator is an electronic oscillator circuit that uses the mechanical resonance of a vibrating crystal of piezoelectric material to create an electrical signal with a precise frequency.

Microelectromechanical system (MEMS) oscillators are timing devices that generate highly stable reference frequencies, which can measure time.

The key players of MEMS and Crystal Oscillators include SiTime, Epson, Microchip and Renesas. The top four manufacturers hold approximately 69% of the global market share,.

In terms of product type, Crystal Oscillator is the largest segment, with a share of 77%. And in terms of application, Consumer Electronics has a share about 31 percent.

This report is a detailed and comprehensive analysis for global MEMS and Crystal Oscillators 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 MEMS and Crystal Oscillators market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Unit), 2020-2031

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

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

Global MEMS and Crystal Oscillators market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/K 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 MEMS and Crystal Oscillators
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global MEMS and Crystal Oscillators 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 SiTime, Epson, Microchip, Renesas, Kyocera, Rakon, Murata, Nihon Dempa Kogyo, TXC Corporation, ON Semiconductor, etc.

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

Market Segmentation

MEMS and Crystal Oscillators 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

MEMS Oscillator

Crystal Oscillator

Market segment by Application

Industrial

Automobile

Wearable Equipment

Consumer Electronics

Communication Equipment

Others

Major players covered

SiTime

Epson

Microchip

Renesas

Kyocera

Rakon

Murata

Nihon Dempa Kogyo

TXC Corporation

ON Semiconductor

Taitien

CTS Corp

Bliley Technologies

NEL Frequency Controls

Abracon

IQD Frequency Products

Daishinku Corporation (KDS)

AnyCLK

Jauch Quartz

YXC

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 MEMS and Crystal Oscillators product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the MEMS and Crystal Oscillators 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 MEMS and Crystal Oscillators 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 MEMS and Crystal Oscillators.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global MEMS and Crystal Oscillators Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 MEMS Oscillator

1.3.3 Crystal Oscillator

1.4 Market Analysis by Application

1.4.1 Overview: Global MEMS and Crystal Oscillators Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Industrial

1.4.3 Automobile

1.4.4 Wearable Equipment

1.4.5 Consumer Electronics

1.4.6 Communication Equipment

1.4.7 Others

1.5 Global MEMS and Crystal Oscillators Market Size & Forecast

1.5.1 Global MEMS and Crystal Oscillators Consumption Value (2020 & 2024 & 2031)

1.5.2 Global MEMS and Crystal Oscillators Sales Quantity (2020-2031)

1.5.3 Global MEMS and Crystal Oscillators Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 SiTime

2.1.1 SiTime Details

2.1.2 SiTime Major Business

2.1.3 SiTime MEMS and Crystal Oscillators Product and Services

2.1.4 SiTime MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 SiTime Recent Developments/Updates

2.2 Epson

2.2.1 Epson Details

2.2.2 Epson Major Business

2.2.3 Epson MEMS and Crystal Oscillators Product and Services

2.2.4 Epson MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.2.5 Epson Recent Developments/Updates

2.3 Microchip

2.3.1 Microchip Details

2.3.2 Microchip Major Business

2.3.3 Microchip MEMS and Crystal Oscillators Product and Services

2.3.4 Microchip MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Microchip Recent Developments/Updates

2.4 Renesas

2.4.1 Renesas Details

2.4.2 Renesas Major Business

2.4.3 Renesas MEMS and Crystal Oscillators Product and Services

2.4.4 Renesas MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Renesas Recent Developments/Updates

2.5 Kyocera

2.5.1 Kyocera Details

2.5.2 Kyocera Major Business

2.5.3 Kyocera MEMS and Crystal Oscillators Product and Services

2.5.4 Kyocera MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Kyocera Recent Developments/Updates

2.6 Rakon

2.6.1 Rakon Details

2.6.2 Rakon Major Business

2.6.3 Rakon MEMS and Crystal Oscillators Product and Services

2.6.4 Rakon MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Rakon Recent Developments/Updates

2.7 Murata

2.7.1 Murata Details

2.7.2 Murata Major Business

2.7.3 Murata MEMS and Crystal Oscillators Product and Services

2.7.4 Murata MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Murata Recent Developments/Updates

2.8 Nihon Dempa Kogyo

2.8.1 Nihon Dempa Kogyo Details

- 2.8.2 Nihon Dempa Kogyo Major Business
- 2.8.3 Nihon Dempa Kogyo MEMS and Crystal Oscillators Product and Services
- 2.8.4 Nihon Dempa Kogyo MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Nihon Dempa Kogyo Recent Developments/Updates
- 2.9 TXC Corporation
 - 2.9.1 TXC Corporation Details
 - 2.9.2 TXC Corporation Major Business
 - 2.9.3 TXC Corporation MEMS and Crystal Oscillators Product and Services
 - 2.9.4 TXC Corporation MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 TXC Corporation Recent Developments/Updates
- 2.10 ON Semiconductor
 - 2.10.1 ON Semiconductor Details
 - 2.10.2 ON Semiconductor Major Business
 - 2.10.3 ON Semiconductor MEMS and Crystal Oscillators Product and Services
 - 2.10.4 ON Semiconductor MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 ON Semiconductor Recent Developments/Updates
- 2.11 Taitien
 - 2.11.1 Taitien Details
 - 2.11.2 Taitien Major Business
 - 2.11.3 Taitien MEMS and Crystal Oscillators Product and Services
 - 2.11.4 Taitien MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Taitien Recent Developments/Updates
- 2.12 CTS Corp
 - 2.12.1 CTS Corp Details
 - 2.12.2 CTS Corp Major Business
 - 2.12.3 CTS Corp MEMS and Crystal Oscillators Product and Services
 - 2.12.4 CTS Corp MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 CTS Corp Recent Developments/Updates
- 2.13 Bliley Technologies
 - 2.13.1 Bliley Technologies Details
 - 2.13.2 Bliley Technologies Major Business
 - 2.13.3 Bliley Technologies MEMS and Crystal Oscillators Product and Services
 - 2.13.4 Bliley Technologies MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.13.5 Bliley Technologies Recent Developments/Updates
- 2.14 NEL Frequency Controls
 - 2.14.1 NEL Frequency Controls Details
 - 2.14.2 NEL Frequency Controls Major Business
 - 2.14.3 NEL Frequency Controls MEMS and Crystal Oscillators Product and Services
 - 2.14.4 NEL Frequency Controls MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 NEL Frequency Controls Recent Developments/Updates
- 2.15 Abracon
 - 2.15.1 Abracon Details
 - 2.15.2 Abracon Major Business
 - 2.15.3 Abracon MEMS and Crystal Oscillators Product and Services
 - 2.15.4 Abracon MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Abracon Recent Developments/Updates
- 2.16 IQD Frequency Products
 - 2.16.1 IQD Frequency Products Details
 - 2.16.2 IQD Frequency Products Major Business
 - 2.16.3 IQD Frequency Products MEMS and Crystal Oscillators Product and Services
 - 2.16.4 IQD Frequency Products MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 IQD Frequency Products Recent Developments/Updates
- 2.17 Daishinku Corporation (KDS)
 - 2.17.1 Daishinku Corporation (KDS) Details
 - 2.17.2 Daishinku Corporation (KDS) Major Business
 - 2.17.3 Daishinku Corporation (KDS) MEMS and Crystal Oscillators Product and Services
 - 2.17.4 Daishinku Corporation (KDS) MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Daishinku Corporation (KDS) Recent Developments/Updates
- 2.18 AnyCLK
 - 2.18.1 AnyCLK Details
 - 2.18.2 AnyCLK Major Business
 - 2.18.3 AnyCLK MEMS and Crystal Oscillators Product and Services
 - 2.18.4 AnyCLK MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 AnyCLK Recent Developments/Updates
- 2.19 Jauch Quartz
 - 2.19.1 Jauch Quartz Details

- 2.19.2 Jauch Quartz Major Business
- 2.19.3 Jauch Quartz MEMS and Crystal Oscillators Product and Services
- 2.19.4 Jauch Quartz MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.19.5 Jauch Quartz Recent Developments/Updates
- 2.20 YXC
 - 2.20.1 YXC Details
 - 2.20.2 YXC Major Business
 - 2.20.3 YXC MEMS and Crystal Oscillators Product and Services
 - 2.20.4 YXC MEMS and Crystal Oscillators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.20.5 YXC Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MEMS AND CRYSTAL OSCILLATORS BY MANUFACTURER

- 3.1 Global MEMS and Crystal Oscillators Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global MEMS and Crystal Oscillators Revenue by Manufacturer (2020-2025)
- 3.3 Global MEMS and Crystal Oscillators Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of MEMS and Crystal Oscillators by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 MEMS and Crystal Oscillators Manufacturer Market Share in 2024
 - 3.4.3 Top 6 MEMS and Crystal Oscillators Manufacturer Market Share in 2024
- 3.5 MEMS and Crystal Oscillators Market: Overall Company Footprint Analysis
 - 3.5.1 MEMS and Crystal Oscillators Market: Region Footprint
 - 3.5.2 MEMS and Crystal Oscillators Market: Company Product Type Footprint
 - 3.5.3 MEMS and Crystal Oscillators Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global MEMS and Crystal Oscillators Market Size by Region
 - 4.1.1 Global MEMS and Crystal Oscillators Sales Quantity by Region (2020-2031)
 - 4.1.2 Global MEMS and Crystal Oscillators Consumption Value by Region (2020-2031)
 - 4.1.3 Global MEMS and Crystal Oscillators Average Price by Region (2020-2031)
- 4.2 North America MEMS and Crystal Oscillators Consumption Value (2020-2031)

- 4.3 Europe MEMS and Crystal Oscillators Consumption Value (2020-2031)
- 4.4 Asia-Pacific MEMS and Crystal Oscillators Consumption Value (2020-2031)
- 4.5 South America MEMS and Crystal Oscillators Consumption Value (2020-2031)
- 4.6 Middle East & Africa MEMS and Crystal Oscillators Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)
- 5.2 Global MEMS and Crystal Oscillators Consumption Value by Type (2020-2031)
- 5.3 Global MEMS and Crystal Oscillators Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global MEMS and Crystal Oscillators Sales Quantity by Application (2020-2031)
- 6.2 Global MEMS and Crystal Oscillators Consumption Value by Application (2020-2031)
- 6.3 Global MEMS and Crystal Oscillators Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)
- 7.2 North America MEMS and Crystal Oscillators Sales Quantity by Application (2020-2031)
- 7.3 North America MEMS and Crystal Oscillators Market Size by Country
 - 7.3.1 North America MEMS and Crystal Oscillators Sales Quantity by Country (2020-2031)
 - 7.3.2 North America MEMS and Crystal Oscillators Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)
- 8.2 Europe MEMS and Crystal Oscillators Sales Quantity by Application (2020-2031)
- 8.3 Europe MEMS and Crystal Oscillators Market Size by Country
 - 8.3.1 Europe MEMS and Crystal Oscillators Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe MEMS and Crystal Oscillators Consumption Value by Country

(2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Application
(2020-2031)

9.3 Asia-Pacific MEMS and Crystal Oscillators Market Size by Region

9.3.1 Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Region
(2020-2031)

9.3.2 Asia-Pacific MEMS and Crystal Oscillators Consumption Value by Region
(2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)

10.2 South America MEMS and Crystal Oscillators Sales Quantity by Application
(2020-2031)

10.3 South America MEMS and Crystal Oscillators Market Size by Country

10.3.1 South America MEMS and Crystal Oscillators Sales Quantity by Country
(2020-2031)

10.3.2 South America MEMS and Crystal Oscillators Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa MEMS and Crystal Oscillators Market Size by Country

11.3.1 Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa MEMS and Crystal Oscillators Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 MEMS and Crystal Oscillators Market Drivers

12.2 MEMS and Crystal Oscillators Market Restraints

12.3 MEMS and Crystal Oscillators Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of MEMS and Crystal Oscillators and Key Manufacturers

13.2 Manufacturing Costs Percentage of MEMS and Crystal Oscillators

13.3 MEMS and Crystal Oscillators Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 MEMS and Crystal Oscillators Typical Distributors

14.3 MEMS and Crystal Oscillators Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global MEMS and Crystal Oscillators Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global MEMS and Crystal Oscillators Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. SiTime Basic Information, Manufacturing Base and Competitors

Table 4. SiTime Major Business

Table 5. SiTime MEMS and Crystal Oscillators Product and Services

Table 6. SiTime MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. SiTime Recent Developments/Updates

Table 8. Epson Basic Information, Manufacturing Base and Competitors

Table 9. Epson Major Business

Table 10. Epson MEMS and Crystal Oscillators Product and Services

Table 11. Epson MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Epson Recent Developments/Updates

Table 13. Microchip Basic Information, Manufacturing Base and Competitors

Table 14. Microchip Major Business

Table 15. Microchip MEMS and Crystal Oscillators Product and Services

Table 16. Microchip MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Microchip Recent Developments/Updates

Table 18. Renesas Basic Information, Manufacturing Base and Competitors

Table 19. Renesas Major Business

Table 20. Renesas MEMS and Crystal Oscillators Product and Services

Table 21. Renesas MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Renesas Recent Developments/Updates

Table 23. Kyocera Basic Information, Manufacturing Base and Competitors

Table 24. Kyocera Major Business

Table 25. Kyocera MEMS and Crystal Oscillators Product and Services

Table 26. Kyocera MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share

(2020-2025)

Table 27. Kyocera Recent Developments/Updates

Table 28. Rakon Basic Information, Manufacturing Base and Competitors

Table 29. Rakon Major Business

Table 30. Rakon MEMS and Crystal Oscillators Product and Services

Table 31. Rakon MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Rakon Recent Developments/Updates

Table 33. Murata Basic Information, Manufacturing Base and Competitors

Table 34. Murata Major Business

Table 35. Murata MEMS and Crystal Oscillators Product and Services

Table 36. Murata MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Murata Recent Developments/Updates

Table 38. Nihon Dempa Kogyo Basic Information, Manufacturing Base and Competitors

Table 39. Nihon Dempa Kogyo Major Business

Table 40. Nihon Dempa Kogyo MEMS and Crystal Oscillators Product and Services

Table 41. Nihon Dempa Kogyo MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Nihon Dempa Kogyo Recent Developments/Updates

Table 43. TXC Corporation Basic Information, Manufacturing Base and Competitors

Table 44. TXC Corporation Major Business

Table 45. TXC Corporation MEMS and Crystal Oscillators Product and Services

Table 46. TXC Corporation MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. TXC Corporation Recent Developments/Updates

Table 48. ON Semiconductor Basic Information, Manufacturing Base and Competitors

Table 49. ON Semiconductor Major Business

Table 50. ON Semiconductor MEMS and Crystal Oscillators Product and Services

Table 51. ON Semiconductor MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. ON Semiconductor Recent Developments/Updates

Table 53. Taitien Basic Information, Manufacturing Base and Competitors

Table 54. Taitien Major Business

Table 55. Taitien MEMS and Crystal Oscillators Product and Services

Table 56. Taitien MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Taitien Recent Developments/Updates

Table 58. CTS Corp Basic Information, Manufacturing Base and Competitors

Table 59. CTS Corp Major Business

Table 60. CTS Corp MEMS and Crystal Oscillators Product and Services

Table 61. CTS Corp MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. CTS Corp Recent Developments/Updates

Table 63. Bliley Technologies Basic Information, Manufacturing Base and Competitors

Table 64. Bliley Technologies Major Business

Table 65. Bliley Technologies MEMS and Crystal Oscillators Product and Services

Table 66. Bliley Technologies MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Bliley Technologies Recent Developments/Updates

Table 68. NEL Frequency Controls Basic Information, Manufacturing Base and Competitors

Table 69. NEL Frequency Controls Major Business

Table 70. NEL Frequency Controls MEMS and Crystal Oscillators Product and Services

Table 71. NEL Frequency Controls MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. NEL Frequency Controls Recent Developments/Updates

Table 73. Abracon Basic Information, Manufacturing Base and Competitors

Table 74. Abracon Major Business

Table 75. Abracon MEMS and Crystal Oscillators Product and Services

Table 76. Abracon MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Abracon Recent Developments/Updates

Table 78. IQD Frequency Products Basic Information, Manufacturing Base and Competitors

Table 79. IQD Frequency Products Major Business

Table 80. IQD Frequency Products MEMS and Crystal Oscillators Product and Services

Table 81. IQD Frequency Products MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. IQD Frequency Products Recent Developments/Updates
Table 83. Daishinku Corporation (KDS) Basic Information, Manufacturing Base and Competitors
Table 84. Daishinku Corporation (KDS) Major Business
Table 85. Daishinku Corporation (KDS) MEMS and Crystal Oscillators Product and Services
Table 86. Daishinku Corporation (KDS) MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 87. Daishinku Corporation (KDS) Recent Developments/Updates
Table 88. AnyCLK Basic Information, Manufacturing Base and Competitors
Table 89. AnyCLK Major Business
Table 90. AnyCLK MEMS and Crystal Oscillators Product and Services
Table 91. AnyCLK MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 92. AnyCLK Recent Developments/Updates
Table 93. Jauch Quartz Basic Information, Manufacturing Base and Competitors
Table 94. Jauch Quartz Major Business
Table 95. Jauch Quartz MEMS and Crystal Oscillators Product and Services
Table 96. Jauch Quartz MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 97. Jauch Quartz Recent Developments/Updates
Table 98. YXC Basic Information, Manufacturing Base and Competitors
Table 99. YXC Major Business
Table 100. YXC MEMS and Crystal Oscillators Product and Services
Table 101. YXC MEMS and Crystal Oscillators Sales Quantity (M Units), Average Price (US\$/K Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 102. YXC Recent Developments/Updates
Table 103. Global MEMS and Crystal Oscillators Sales Quantity by Manufacturer (2020-2025) & (M Units)
Table 104. Global MEMS and Crystal Oscillators Revenue by Manufacturer (2020-2025) & (USD Million)
Table 105. Global MEMS and Crystal Oscillators Average Price by Manufacturer (2020-2025) & (US\$/K Unit)
Table 106. Market Position of Manufacturers in MEMS and Crystal Oscillators, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024
Table 107. Head Office and MEMS and Crystal Oscillators Production Site of Key

Manufacturer

Table 108. MEMS and Crystal Oscillators Market: Company Product Type Footprint

Table 109. MEMS and Crystal Oscillators Market: Company Product Application Footprint

Table 110. MEMS and Crystal Oscillators New Market Entrants and Barriers to Market Entry

Table 111. MEMS and Crystal Oscillators Mergers, Acquisition, Agreements, and Collaborations

Table 112. Global MEMS and Crystal Oscillators Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 113. Global MEMS and Crystal Oscillators Sales Quantity by Region (2020-2025) & (M Units)

Table 114. Global MEMS and Crystal Oscillators Sales Quantity by Region (2026-2031) & (M Units)

Table 115. Global MEMS and Crystal Oscillators Consumption Value by Region (2020-2025) & (USD Million)

Table 116. Global MEMS and Crystal Oscillators Consumption Value by Region (2026-2031) & (USD Million)

Table 117. Global MEMS and Crystal Oscillators Average Price by Region (2020-2025) & (US\$/K Unit)

Table 118. Global MEMS and Crystal Oscillators Average Price by Region (2026-2031) & (US\$/K Unit)

Table 119. Global MEMS and Crystal Oscillators Sales Quantity by Type (2020-2025) & (M Units)

Table 120. Global MEMS and Crystal Oscillators Sales Quantity by Type (2026-2031) & (M Units)

Table 121. Global MEMS and Crystal Oscillators Consumption Value by Type (2020-2025) & (USD Million)

Table 122. Global MEMS and Crystal Oscillators Consumption Value by Type (2026-2031) & (USD Million)

Table 123. Global MEMS and Crystal Oscillators Average Price by Type (2020-2025) & (US\$/K Unit)

Table 124. Global MEMS and Crystal Oscillators Average Price by Type (2026-2031) & (US\$/K Unit)

Table 125. Global MEMS and Crystal Oscillators Sales Quantity by Application (2020-2025) & (M Units)

Table 126. Global MEMS and Crystal Oscillators Sales Quantity by Application (2026-2031) & (M Units)

Table 127. Global MEMS and Crystal Oscillators Consumption Value by Application

(2020-2025) & (USD Million)

Table 128. Global MEMS and Crystal Oscillators Consumption Value by Application

(2026-2031) & (USD Million)

Table 129. Global MEMS and Crystal Oscillators Average Price by Application

(2020-2025) & (US\$/K Unit)

Table 130. Global MEMS and Crystal Oscillators Average Price by Application

(2026-2031) & (US\$/K Unit)

Table 131. North America MEMS and Crystal Oscillators Sales Quantity by Type

(2020-2025) & (M Units)

Table 132. North America MEMS and Crystal Oscillators Sales Quantity by Type

(2026-2031) & (M Units)

Table 133. North America MEMS and Crystal Oscillators Sales Quantity by Application

(2020-2025) & (M Units)

Table 134. North America MEMS and Crystal Oscillators Sales Quantity by Application

(2026-2031) & (M Units)

Table 135. North America MEMS and Crystal Oscillators Sales Quantity by Country

(2020-2025) & (M Units)

Table 136. North America MEMS and Crystal Oscillators Sales Quantity by Country

(2026-2031) & (M Units)

Table 137. North America MEMS and Crystal Oscillators Consumption Value by Country (2020-2025) & (USD Million)

Table 138. North America MEMS and Crystal Oscillators Consumption Value by Country (2026-2031) & (USD Million)

Table 139. Europe MEMS and Crystal Oscillators Sales Quantity by Type (2020-2025) & (M Units)

Table 140. Europe MEMS and Crystal Oscillators Sales Quantity by Type (2026-2031) & (M Units)

Table 141. Europe MEMS and Crystal Oscillators Sales Quantity by Application (2020-2025) & (M Units)

Table 142. Europe MEMS and Crystal Oscillators Sales Quantity by Application (2026-2031) & (M Units)

Table 143. Europe MEMS and Crystal Oscillators Sales Quantity by Country (2020-2025) & (M Units)

Table 144. Europe MEMS and Crystal Oscillators Sales Quantity by Country (2026-2031) & (M Units)

Table 145. Europe MEMS and Crystal Oscillators Consumption Value by Country (2020-2025) & (USD Million)

Table 146. Europe MEMS and Crystal Oscillators Consumption Value by Country (2026-2031) & (USD Million)

Table 147. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Type (2020-2025) & (M Units)

Table 148. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Type (2026-2031) & (M Units)

Table 149. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Application (2020-2025) & (M Units)

Table 150. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Application (2026-2031) & (M Units)

Table 151. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Region (2020-2025) & (M Units)

Table 152. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity by Region (2026-2031) & (M Units)

Table 153. Asia-Pacific MEMS and Crystal Oscillators Consumption Value by Region (2020-2025) & (USD Million)

Table 154. Asia-Pacific MEMS and Crystal Oscillators Consumption Value by Region (2026-2031) & (USD Million)

Table 155. South America MEMS and Crystal Oscillators Sales Quantity by Type (2020-2025) & (M Units)

Table 156. South America MEMS and Crystal Oscillators Sales Quantity by Type (2026-2031) & (M Units)

Table 157. South America MEMS and Crystal Oscillators Sales Quantity by Application (2020-2025) & (M Units)

Table 158. South America MEMS and Crystal Oscillators Sales Quantity by Application (2026-2031) & (M Units)

Table 159. South America MEMS and Crystal Oscillators Sales Quantity by Country (2020-2025) & (M Units)

Table 160. South America MEMS and Crystal Oscillators Sales Quantity by Country (2026-2031) & (M Units)

Table 161. South America MEMS and Crystal Oscillators Consumption Value by Country (2020-2025) & (USD Million)

Table 162. South America MEMS and Crystal Oscillators Consumption Value by Country (2026-2031) & (USD Million)

Table 163. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Type (2020-2025) & (M Units)

Table 164. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Type (2026-2031) & (M Units)

Table 165. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Application (2020-2025) & (M Units)

Table 166. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by

Application (2026-2031) & (M Units)

Table 167. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Country (2020-2025) & (M Units)

Table 168. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity by Country (2026-2031) & (M Units)

Table 169. Middle East & Africa MEMS and Crystal Oscillators Consumption Value by Country (2020-2025) & (USD Million)

Table 170. Middle East & Africa MEMS and Crystal Oscillators Consumption Value by Country (2026-2031) & (USD Million)

Table 171. MEMS and Crystal Oscillators Raw Material

Table 172. Key Manufacturers of MEMS and Crystal Oscillators Raw Materials

Table 173. MEMS and Crystal Oscillators Typical Distributors

Table 174. MEMS and Crystal Oscillators Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. MEMS and Crystal Oscillators Picture

Figure 2. Global MEMS and Crystal Oscillators Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global MEMS and Crystal Oscillators Revenue Market Share by Type in 2024

Figure 4. MEMS Oscillator Examples

Figure 5. Crystal Oscillator Examples

Figure 6. Global MEMS and Crystal Oscillators Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global MEMS and Crystal Oscillators Revenue Market Share by Application in 2024

Figure 8. Industrial Examples

Figure 9. Automobile Examples

Figure 10. Wearable Equipment Examples

Figure 11. Consumer Electronics Examples

Figure 12. Communication Equipment Examples

Figure 13. Others Examples

Figure 14. Global MEMS and Crystal Oscillators Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 15. Global MEMS and Crystal Oscillators Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 16. Global MEMS and Crystal Oscillators Sales Quantity (2020-2031) & (M Units)

Figure 17. Global MEMS and Crystal Oscillators Price (2020-2031) & (US\$/K Unit)

Figure 18. Global MEMS and Crystal Oscillators Sales Quantity Market Share by Manufacturer in 2024

Figure 19. Global MEMS and Crystal Oscillators Revenue Market Share by Manufacturer in 2024

Figure 20. Producer Shipments of MEMS and Crystal Oscillators by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 21. Top 3 MEMS and Crystal Oscillators Manufacturer (Revenue) Market Share in 2024

Figure 22. Top 6 MEMS and Crystal Oscillators Manufacturer (Revenue) Market Share in 2024

Figure 23. Global MEMS and Crystal Oscillators Sales Quantity Market Share by Region (2020-2031)

Figure 24. Global MEMS and Crystal Oscillators Consumption Value Market Share by Region (2020-2031)

Figure 25. North America MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 26. Europe MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 27. Asia-Pacific MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 28. South America MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 29. Middle East & Africa MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 30. Global MEMS and Crystal Oscillators Sales Quantity Market Share by Type (2020-2031)

Figure 31. Global MEMS and Crystal Oscillators Consumption Value Market Share by Type (2020-2031)

Figure 32. Global MEMS and Crystal Oscillators Average Price by Type (2020-2031) & (US\$/K Unit)

Figure 33. Global MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 34. Global MEMS and Crystal Oscillators Revenue Market Share by Application (2020-2031)

Figure 35. Global MEMS and Crystal Oscillators Average Price by Application (2020-2031) & (US\$/K Unit)

Figure 36. North America MEMS and Crystal Oscillators Sales Quantity Market Share by Type (2020-2031)

Figure 37. North America MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 38. North America MEMS and Crystal Oscillators Sales Quantity Market Share by Country (2020-2031)

Figure 39. North America MEMS and Crystal Oscillators Consumption Value Market Share by Country (2020-2031)

Figure 40. United States MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 41. Canada MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 42. Mexico MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 43. Europe MEMS and Crystal Oscillators Sales Quantity Market Share by Type

(2020-2031)

Figure 44. Europe MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 45. Europe MEMS and Crystal Oscillators Sales Quantity Market Share by Country (2020-2031)

Figure 46. Europe MEMS and Crystal Oscillators Consumption Value Market Share by Country (2020-2031)

Figure 47. Germany MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 48. France MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 49. United Kingdom MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 50. Russia MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 51. Italy MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 52. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity Market Share by Type (2020-2031)

Figure 53. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 54. Asia-Pacific MEMS and Crystal Oscillators Sales Quantity Market Share by Region (2020-2031)

Figure 55. Asia-Pacific MEMS and Crystal Oscillators Consumption Value Market Share by Region (2020-2031)

Figure 56. China MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 57. Japan MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 58. South Korea MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 59. India MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 60. Southeast Asia MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 61. Australia MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 62. South America MEMS and Crystal Oscillators Sales Quantity Market Share by Type (2020-2031)

Figure 63. South America MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 64. South America MEMS and Crystal Oscillators Sales Quantity Market Share by Country (2020-2031)

Figure 65. South America MEMS and Crystal Oscillators Consumption Value Market Share by Country (2020-2031)

Figure 66. Brazil MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 67. Argentina MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 68. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity Market Share by Type (2020-2031)

Figure 69. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity Market Share by Application (2020-2031)

Figure 70. Middle East & Africa MEMS and Crystal Oscillators Sales Quantity Market Share by Country (2020-2031)

Figure 71. Middle East & Africa MEMS and Crystal Oscillators Consumption Value Market Share by Country (2020-2031)

Figure 72. Turkey MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 73. Egypt MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 74. Saudi Arabia MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 75. South Africa MEMS and Crystal Oscillators Consumption Value (2020-2031) & (USD Million)

Figure 76. MEMS and Crystal Oscillators Market Drivers

Figure 77. MEMS and Crystal Oscillators Market Restraints

Figure 78. MEMS and Crystal Oscillators Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of MEMS and Crystal Oscillators in 2024

Figure 81. Manufacturing Process Analysis of MEMS and Crystal Oscillators

Figure 82. MEMS and Crystal Oscillators Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

I would like to order

Product name: Global MEMS and Crystal Oscillators Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/M7FEFCFD87F5EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M7FEFCFD87F5EN.html>