

Global MEMS & Crystal Oscillators Production, Demand and Key Producers, 2022-2028

<https://marketpublishers.com/r/G7FA63385394EN.html>

Date: November 2022

Pages: 120

Price: US\$ 4,480.00 (Single User License)

ID: G7FA63385394EN

Abstracts

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.

This report studies the global MEMS & Crystal Oscillators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for MEMS & Crystal Oscillators, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of MEMS & Crystal Oscillators that contribute to its increasing demand across many markets.

The global MEMS & Crystal Oscillators market size is expected to reach \$ 2713.7 million by 2028, rising at a market growth of 6.2% CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global MEMS & Crystal Oscillators total production and demand, 2017-2028, (K Units)

Global MEMS & Crystal Oscillators total production value, 2017-2028, (USD Million)

Global MEMS & Crystal Oscillators production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (K Units)

Global MEMS & Crystal Oscillators consumption by region & country, CAGR, 2017-2028 & (K Units)

U.S. VS China: MEMS & Crystal Oscillators domestic production, consumption, key domestic manufacturers and share

Global MEMS & Crystal Oscillators production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (K Units)

Global MEMS & Crystal Oscillators production by Type, production, value, CAGR, 2017-2028, (USD Million) & (K Units)

Global MEMS & Crystal Oscillators production by Application production, value, CAGR, 2017-2028, (USD Million) & (K Units)

This reports profiles key players in the global MEMS & Crystal Oscillators market based on the following parameters – headquarters, production locations, products portfolio, MEMS & Crystal Oscillators revenue, sales, average price and gross margin, recent developments.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World MEMS & Crystal Oscillators market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global MEMS & Crystal Oscillators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global MEMS & Crystal Oscillators Market, Segmentation by Type

Crystal Oscillator

MEMS Oscillator

Global MEMS & Crystal Oscillators Market, Segmentation by Application

Industrial

Automobile

Wearable Equipment

Consumer Electronics

Communication Equipment

Others

Companies Profiled:

Microchip

Murata

TXC Corporation

ON Semiconductor

Abracon

Renesas

IQD Frequency Products

Epson

Kyocera

SiTime

Nihon Dempa Kogyo

Rakon

Taitien

CTS Corp

Bliley Technologies

NEL Frequency Controls

Skyworks

Key Questions Answered

1. How big is the global MEMS & Crystal Oscillators market?
2. What is the demand of the global MEMS & Crystal Oscillators market?
3. What is the year over year growth of the global MEMS & Crystal Oscillators market?
4. What is the production and production value of the global MEMS & Crystal Oscillators market?
5. Who are the key producers in the global MEMS & Crystal Oscillators market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 MEMS & Crystal Oscillators Introduction
- 1.2 World MEMS & Crystal Oscillators Supply & Forecast
 - 1.2.1 World MEMS & Crystal Oscillators Production Value (2017 & 2021 & 2028)
 - 1.2.2 World MEMS & Crystal Oscillators Production (2017-2028)
 - 1.2.3 World MEMS & Crystal Oscillators Pricing Trends (2017-2028)
- 1.3 World MEMS & Crystal Oscillators Production by Region
 - 1.3.1 World MEMS & Crystal Oscillators Production Value by Region (2017-2028)
 - 1.3.2 World MEMS & Crystal Oscillators Production by Region (2017-2028)
 - 1.3.3 World MEMS & Crystal Oscillators Average Price by Region (2017-2028)
 - 1.3.4 North America MEMS & Crystal Oscillators Production (2017-2028)
 - 1.3.5 Europe MEMS & Crystal Oscillators Production (2017-2028)
 - 1.3.6 China MEMS & Crystal Oscillators Production (2017-2028)
 - 1.3.7 Japan MEMS & Crystal Oscillators Production (2017-2028)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 MEMS & Crystal Oscillators Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 MEMS & Crystal Oscillators Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World MEMS & Crystal Oscillators Demand (2017-2028)
- 2.2 World MEMS & Crystal Oscillators Consumption by Region
 - 2.2.1 World MEMS & Crystal Oscillators Consumption by Region (2017-2022)
 - 2.2.2 World MEMS & Crystal Oscillators Consumption Forecast by Region (2023-2028)
- 2.3 United States MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.4 China MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.5 Europe MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.6 Japan MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.7 South Korea MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.8 ASEAN MEMS & Crystal Oscillators Consumption (2017-2028)
- 2.9 India MEMS & Crystal Oscillators Consumption (2017-2028)

3 WORLD MEMS & CRYSTAL OSCILLATORS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World MEMS & Crystal Oscillators Production Value by Manufacturer (2017-2022)
- 3.2 World MEMS & Crystal Oscillators Production by Manufacturer (2017-2022)
- 3.3 World MEMS & Crystal Oscillators Average Price by Manufacturer (2017-2022)
- 3.4 MEMS & Crystal Oscillators Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global MEMS & Crystal Oscillators Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for MEMS & Crystal Oscillators in 2021
 - 3.5.3 Global Concentration Ratios (CR8) for MEMS & Crystal Oscillators in 2021
- 3.6 MEMS & Crystal Oscillators Market: Overall Company Footprint Analysis
 - 3.6.1 MEMS & Crystal Oscillators Market: Region Footprint
 - 3.6.2 MEMS & Crystal Oscillators Market: Company Product Type Footprint
 - 3.6.3 MEMS & Crystal Oscillators Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: MEMS & Crystal Oscillators Production Value Comparison
 - 4.1.1 United States VS China: MEMS & Crystal Oscillators Production Value Comparison (2017 & 2021 & 2028)
 - 4.1.2 United States VS China: MEMS & Crystal Oscillators Production Value Market Share Comparison (2017 & 2021 & 2028)
- 4.2 United States VS China: MEMS & Crystal Oscillators Production Comparison
 - 4.2.1 United States VS China: MEMS & Crystal Oscillators Production Comparison (2017 & 2021 & 2028)
 - 4.2.2 United States VS China: MEMS & Crystal Oscillators Production Market Share Comparison (2017 & 2021 & 2028)
- 4.3 United States VS China: MEMS & Crystal Oscillators Consumption Comparison
 - 4.3.1 United States VS China: MEMS & Crystal Oscillators Consumption Comparison (2017 & 2021 & 2028)
 - 4.3.2 United States VS China: MEMS & Crystal Oscillators Consumption Market Share

Comparison (2017 & 2021 & 2028)

4.4 United States MEMS & Crystal Oscillators Key Producers and Market Share, 2017-2022

4.4.1 Major Manufacturer of MEMS & Crystal Oscillators in United States, Company Headquarters and Production Place (States, Country)

4.4.2 United States MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022)

4.4.3 United States MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022)

4.5 China MEMS & Crystal Oscillators Key Producers and Market Share, 2017-2022

4.5.1 Major Manufacturer of MEMS & Crystal Oscillators in China, Company Headquarters and Production Place (Province, Country)

4.5.2 China MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022)

4.5.3 China MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022)

4.6 Rest of World MEMS & Crystal Oscillators Key Producers and Market Share, 2017-2022

4.6.1 Major Manufacturer of MEMS & Crystal Oscillators in Rest of World, Company Headquarters and Production Place (State, Country)

4.6.2 Rest of World MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022)

4.6.3 Rest of World MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022)

5 MARKET ANALYSIS BY TYPE

5.1 World MEMS & Crystal Oscillators Market Size Overview by Type: 2017 VS 2021 VS 2028

5.2 Segment Introduction by Type

5.2.1 Crystal Oscillator

5.2.2 MEMS Oscillator

5.3 Market Segment by Type

5.3.1 World MEMS & Crystal Oscillators Production by Type (2017-2028)

5.3.2 World MEMS & Crystal Oscillators Production Value by Type (2017-2028)

5.3.3 World MEMS & Crystal Oscillators Average Price by Type (2017-2028)

6 MARKET ANALYSIS BY APPLICATION

6.1 World MEMS & Crystal Oscillators Market Size Overview by Application: 2017 VS 2021 VS 2028

6.2 Segment Introduction by Application

6.2.1 Industrial

6.2.2 Automobile

6.2.3 Wearable Equipment

6.2.4 Consumer Electronics

6.2.5 Communication Equipment

6.2.6 Others

6.3 Market Segment by Application

6.3.1 World MEMS & Crystal Oscillators Production by Application (2017-2028)

6.3.2 World MEMS & Crystal Oscillators Production Value by Application (2017-2028)

6.3.3 World MEMS & Crystal Oscillators Average Price by Application (2017-2028)

7 COMPANY PROFILES

7.1 Microchip

7.1.1 Microchip Details

7.1.2 Microchip Major Business

7.1.3 Microchip MEMS & Crystal Oscillators Product and Services

7.1.4 Microchip MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.1.5 Microchip Recent Developments/Updates

7.1.6 Microchip Competitive Strengths & Weaknesses

7.2 Murata

7.2.1 Murata Details

7.2.2 Murata Major Business

7.2.3 Murata MEMS & Crystal Oscillators Product and Services

7.2.4 Murata MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.2.5 Murata Recent Developments/Updates

7.2.6 Murata Competitive Strengths & Weaknesses

7.3 TXC Corporation

7.3.1 TXC Corporation Details

7.3.2 TXC Corporation Major Business

7.3.3 TXC Corporation MEMS & Crystal Oscillators Product and Services

7.3.4 TXC Corporation MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.3.5 TXC Corporation Recent Developments/Updates

- 7.3.6 TXC Corporation Competitive Strengths & Weaknesses
- 7.4 ON Semiconductor
 - 7.4.1 ON Semiconductor Details
 - 7.4.2 ON Semiconductor Major Business
 - 7.4.3 ON Semiconductor MEMS & Crystal Oscillators Product and Services
 - 7.4.4 ON Semiconductor MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.4.5 ON Semiconductor Recent Developments/Updates
 - 7.4.6 ON Semiconductor Competitive Strengths & Weaknesses
- 7.5 Abracon
 - 7.5.1 Abracon Details
 - 7.5.2 Abracon Major Business
 - 7.5.3 Abracon MEMS & Crystal Oscillators Product and Services
 - 7.5.4 Abracon MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.5.5 Abracon Recent Developments/Updates
 - 7.5.6 Abracon Competitive Strengths & Weaknesses
- 7.6 Renesas
 - 7.6.1 Renesas Details
 - 7.6.2 Renesas Major Business
 - 7.6.3 Renesas MEMS & Crystal Oscillators Product and Services
 - 7.6.4 Renesas MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.6.5 Renesas Recent Developments/Updates
 - 7.6.6 Renesas Competitive Strengths & Weaknesses
- 7.7 IQD Frequency Products
 - 7.7.1 IQD Frequency Products Details
 - 7.7.2 IQD Frequency Products Major Business
 - 7.7.3 IQD Frequency Products MEMS & Crystal Oscillators Product and Services
 - 7.7.4 IQD Frequency Products MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.7.5 IQD Frequency Products Recent Developments/Updates
 - 7.7.6 IQD Frequency Products Competitive Strengths & Weaknesses
- 7.8 Epson
 - 7.8.1 Epson Details
 - 7.8.2 Epson Major Business
 - 7.8.3 Epson MEMS & Crystal Oscillators Product and Services
 - 7.8.4 Epson MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

- 7.8.5 Epson Recent Developments/Updates
- 7.8.6 Epson Competitive Strengths & Weaknesses
- 7.9 Kyocera
 - 7.9.1 Kyocera Details
 - 7.9.2 Kyocera Major Business
 - 7.9.3 Kyocera MEMS & Crystal Oscillators Product and Services
 - 7.9.4 Kyocera MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.9.5 Kyocera Recent Developments/Updates
 - 7.9.6 Kyocera Competitive Strengths & Weaknesses
- 7.10 SiTime
 - 7.10.1 SiTime Details
 - 7.10.2 SiTime Major Business
 - 7.10.3 SiTime MEMS & Crystal Oscillators Product and Services
 - 7.10.4 SiTime MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.10.5 SiTime Recent Developments/Updates
 - 7.10.6 SiTime Competitive Strengths & Weaknesses
- 7.11 Nihon Dempa Kogyo
 - 7.11.1 Nihon Dempa Kogyo Details
 - 7.11.2 Nihon Dempa Kogyo Major Business
 - 7.11.3 Nihon Dempa Kogyo MEMS & Crystal Oscillators Product and Services
 - 7.11.4 Nihon Dempa Kogyo MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.11.5 Nihon Dempa Kogyo Recent Developments/Updates
 - 7.11.6 Nihon Dempa Kogyo Competitive Strengths & Weaknesses
- 7.12 Rakon
 - 7.12.1 Rakon Details
 - 7.12.2 Rakon Major Business
 - 7.12.3 Rakon MEMS & Crystal Oscillators Product and Services
 - 7.12.4 Rakon MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.12.5 Rakon Recent Developments/Updates
 - 7.12.6 Rakon Competitive Strengths & Weaknesses
- 7.13 Taitien
 - 7.13.1 Taitien Details
 - 7.13.2 Taitien Major Business
 - 7.13.3 Taitien MEMS & Crystal Oscillators Product and Services
 - 7.13.4 Taitien MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and

Market Share (2017-2022)

7.13.5 Taitien Recent Developments/Updates

7.13.6 Taitien Competitive Strengths & Weaknesses

7.14 CTS Corp

7.14.1 CTS Corp Details

7.14.2 CTS Corp Major Business

7.14.3 CTS Corp MEMS & Crystal Oscillators Product and Services

7.14.4 CTS Corp MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.14.5 CTS Corp Recent Developments/Updates

7.14.6 CTS Corp Competitive Strengths & Weaknesses

7.15 Bliley Technologies

7.15.1 Bliley Technologies Details

7.15.2 Bliley Technologies Major Business

7.15.3 Bliley Technologies MEMS & Crystal Oscillators Product and Services

7.15.4 Bliley Technologies MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.15.5 Bliley Technologies Recent Developments/Updates

7.15.6 Bliley Technologies Competitive Strengths & Weaknesses

7.16 NEL Frequency Controls

7.16.1 NEL Frequency Controls Details

7.16.2 NEL Frequency Controls Major Business

7.16.3 NEL Frequency Controls MEMS & Crystal Oscillators Product and Services

7.16.4 NEL Frequency Controls MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.16.5 NEL Frequency Controls Recent Developments/Updates

7.16.6 NEL Frequency Controls Competitive Strengths & Weaknesses

7.17 Skyworks

7.17.1 Skyworks Details

7.17.2 Skyworks Major Business

7.17.3 Skyworks MEMS & Crystal Oscillators Product and Services

7.17.4 Skyworks MEMS & Crystal Oscillators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.17.5 Skyworks Recent Developments/Updates

7.17.6 Skyworks Competitive Strengths & Weaknesses

8 RAW MATERIAL AND INDUSTRY CHAIN

8.1 Raw Material of MEMS & Crystal Oscillators and Key Manufacturers

8.2 MEMS & Crystal Oscillators Manufacturing Costs

8.3 MEMS & Crystal Oscillators Production Process

8.4 MEMS & Crystal Oscillators Industrial Chain

9 DISTRIBUTION CHANNEL ANALYSIS

9.1 Distribution Channel Breakdown for MEMS & Crystal Oscillators Shipments (%):
2017-2028

9.1.1 Direct Channel

9.1.2 Indirect Channel

9.2 MEMS & Crystal Oscillators Typical Distributors

9.3 MEMS & Crystal Oscillators Typical Customers

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World MEMS & Crystal Oscillators Production Value by Region (2017, 2022 and 2028) & (USD Million)

Table 2. World MEMS & Crystal Oscillators Production Value by Region (2017-2022) & (USD Million)

Table 3. World MEMS & Crystal Oscillators Production Value by Region (2023-2028) & (USD Million)

Table 4. World MEMS & Crystal Oscillators Production Value Market Share by Region (2017-2022)

Table 5. World MEMS & Crystal Oscillators Production Value Market Share by Region (2023-2028)

Table 6. World MEMS & Crystal Oscillators Production by Region (2017-2022) & (K Units)

Table 7. World MEMS & Crystal Oscillators Production by Region (2023-2028) & (K Units)

Table 8. World MEMS & Crystal Oscillators Production Market Share by Region (2017-2022)

Table 9. World MEMS & Crystal Oscillators Production Market Share by Region (2023-2028)

Table 10. World MEMS & Crystal Oscillators Average Price by Region (2017-2022) & (US\$/Unit)

Table 11. World MEMS & Crystal Oscillators Average Price by Region (2023-2028) & (US\$/Unit)

Table 12. MEMS & Crystal Oscillators Major Market Trends

Table 13. World MEMS & Crystal Oscillators Consumption Growth Rate Forecast by Region (2017 & 2021 & 2028) & (K Units)

Table 14. World MEMS & Crystal Oscillators Consumption by Region (2017-2022) & (K Units)

Table 15. World MEMS & Crystal Oscillators Consumption Forecast by Region (2023-2028) & (K Units)

Table 16. World MEMS & Crystal Oscillators Production Value by Manufacturer (2017-2022) & (USD Million)

Table 17. Production Value Market Share of Key MEMS & Crystal Oscillators Producers in 2021

Table 18. World MEMS & Crystal Oscillators Production by Manufacturer (2017-2022) & (K Units)

Table 19. Production Market Share of Key MEMS & Crystal Oscillators Producers in 2021

Table 20. World MEMS & Crystal Oscillators Average Price by Manufacturer (2017-2022) & (US\$/Unit)

Table 21. Global MEMS & Crystal Oscillators Company Evaluation Quadrant

Table 22. World MEMS & Crystal Oscillators Industry Rank of Major Manufacturers, Based on Production Value in 2021

Table 23. Head Office and MEMS & Crystal Oscillators Production Site of Key Manufacturer

Table 24. MEMS & Crystal Oscillators Market: Company Product Type Footprint

Table 25. MEMS & Crystal Oscillators Market: Company Product Application Footprint

Table 26. MEMS & Crystal Oscillators Competitive Factors

Table 27. MEMS & Crystal Oscillators New Entrant and Capacity Expansion Plans

Table 28. MEMS & Crystal Oscillators Mergers & Acquisitions Activity

Table 29. United States VS China MEMS & Crystal Oscillators Production Value Comparison, (2017 & 2021 & 2028) & (USD Million)

Table 30. United States VS China MEMS & Crystal Oscillators Production Comparison, (2017 & 2021 & 2028) & (K Units)

Table 31. United States VS China MEMS & Crystal Oscillators Consumption Comparison, (2017 & 2021 & 2028) & (K Units)

Table 32. Major Manufacturer of MEMS & Crystal Oscillators in United States, Company Headquarters and Production Place (States, Country)

Table 33. United States MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 34. United States MEMS & Crystal Oscillators Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 35. United States MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 36. United States MEMS & Crystal Oscillators Production Market Share by Domestic Manufacturer, (2017-2022)

Table 37. Major Manufacturer of MEMS & Crystal Oscillators in China, Company Headquarters and Production Place (Province, Country)

Table 38. China MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 39. China MEMS & Crystal Oscillators Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 40. China MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 41. China MEMS & Crystal Oscillators Production Market Share by Domestic

Manufacturer, (2017-2022)

Table 42. Major Manufacturer of MEMS & Crystal Oscillators in Rest of World, Company Headquarters and Production Place (State, Country)

Table 43. Rest of World MEMS & Crystal Oscillators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 44. Rest of World MEMS & Crystal Oscillators Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 45. Rest of World MEMS & Crystal Oscillators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 46. Rest of World MEMS & Crystal Oscillators Production Market Share by Domestic Manufacturer, (2017-2022)

Table 47. World MEMS & Crystal Oscillators Production Value by Type, (USD Million), 2017 & 2021 & 2028

Table 48. World MEMS & Crystal Oscillators Production by Type (2017-2022) & (K Units)

Table 49. World MEMS & Crystal Oscillators Production by Type (2023-2028) & (K Units)

Table 50. World MEMS & Crystal Oscillators Production Value by Type (2017-2022) & (USD Million)

Table 51. World MEMS & Crystal Oscillators Production Value by Type (2023-2028) & (USD Million)

Table 52. World MEMS & Crystal Oscillators Average Price by Type (2017-2022) & (US\$/Unit)

Table 53. World MEMS & Crystal Oscillators Average Price by Type (2023-2028) & (US\$/Unit)

Table 54. World MEMS & Crystal Oscillators Production Value by Application, (USD Million), 2017 & 2021 & 2028

Table 55. World MEMS & Crystal Oscillators Production by Application (2017-2022) & (K Units)

Table 56. World MEMS & Crystal Oscillators Production by Application (2023-2028) & (K Units)

Table 57. World MEMS & Crystal Oscillators Production Value by Application (2017-2022) & (USD Million)

Table 58. World MEMS & Crystal Oscillators Production Value by Application (2023-2028) & (USD Million)

Table 59. World MEMS & Crystal Oscillators Average Price by Application (2017-2022) & (US\$/Unit)

Table 60. World MEMS & Crystal Oscillators Average Price by Application (2023-2028) & (US\$/Unit)

Table 61. Microchip Basic Information, Manufacturing Base and Competitors

Table 62. Microchip Major Business

Table 63. Microchip MEMS & Crystal Oscillators Product and Services

Table 64. Microchip MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 65. Microchip Recent Developments/Updates

Table 66. Microchip Competitive Strengths & Weaknesses

Table 67. Murata Basic Information, Manufacturing Base and Competitors

Table 68. Murata Major Business

Table 69. Murata MEMS & Crystal Oscillators Product and Services

Table 70. Murata MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 71. Murata Recent Developments/Updates

Table 72. Murata Competitive Strengths & Weaknesses

Table 73. TXC Corporation Basic Information, Manufacturing Base and Competitors

Table 74. TXC Corporation Major Business

Table 75. TXC Corporation MEMS & Crystal Oscillators Product and Services

Table 76. TXC Corporation MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 77. TXC Corporation Recent Developments/Updates

Table 78. TXC Corporation Competitive Strengths & Weaknesses

Table 79. ON Semiconductor Basic Information, Manufacturing Base and Competitors

Table 80. ON Semiconductor Major Business

Table 81. ON Semiconductor MEMS & Crystal Oscillators Product and Services

Table 82. ON Semiconductor MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 83. ON Semiconductor Recent Developments/Updates

Table 84. ON Semiconductor Competitive Strengths & Weaknesses

Table 85. Abracon Basic Information, Manufacturing Base and Competitors

Table 86. Abracon Major Business

Table 87. Abracon MEMS & Crystal Oscillators Product and Services

Table 88. Abracon MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 89. Abracon Recent Developments/Updates

Table 90. Abracon Competitive Strengths & Weaknesses

Table 91. Renesas Basic Information, Manufacturing Base and Competitors

Table 92. Renesas Major Business

Table 93. Renesas MEMS & Crystal Oscillators Product and Services

Table 94. Renesas MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 95. Renesas Recent Developments/Updates

Table 96. Renesas Competitive Strengths & Weaknesses

Table 97. IQD Frequency Products Basic Information, Manufacturing Base and Competitors

Table 98. IQD Frequency Products Major Business

Table 99. IQD Frequency Products MEMS & Crystal Oscillators Product and Services

Table 100. IQD Frequency Products MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 101. IQD Frequency Products Recent Developments/Updates

Table 102. IQD Frequency Products Competitive Strengths & Weaknesses

Table 103. Epson Basic Information, Manufacturing Base and Competitors

Table 104. Epson Major Business

Table 105. Epson MEMS & Crystal Oscillators Product and Services

Table 106. Epson MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 107. Epson Recent Developments/Updates

Table 108. Epson Competitive Strengths & Weaknesses

Table 109. Kyocera Basic Information, Manufacturing Base and Competitors

Table 110. Kyocera Major Business

Table 111. Kyocera MEMS & Crystal Oscillators Product and Services

Table 112. Kyocera MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 113. Kyocera Recent Developments/Updates

Table 114. Kyocera Competitive Strengths & Weaknesses

Table 115. SiTime Basic Information, Manufacturing Base and Competitors

Table 116. SiTime Major Business

Table 117. SiTime MEMS & Crystal Oscillators Product and Services

Table 118. SiTime MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 119. SiTime Recent Developments/Updates

Table 120. SiTime Competitive Strengths & Weaknesses

Table 121. Nihon Dempa Kogyo Basic Information, Manufacturing Base and Competitors

Table 122. Nihon Dempa Kogyo Major Business

Table 123. Nihon Dempa Kogyo MEMS & Crystal Oscillators Product and Services

Table 124. Nihon Dempa Kogyo MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 125. Nihon Dempa Kogyo Recent Developments/Updates

Table 126. Nihon Dempa Kogyo Competitive Strengths & Weaknesses

Table 127. Rakon Basic Information, Manufacturing Base and Competitors

Table 128. Rakon Major Business

Table 129. Rakon MEMS & Crystal Oscillators Product and Services

Table 130. Rakon MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 131. Rakon Recent Developments/Updates

Table 132. Rakon Competitive Strengths & Weaknesses

Table 133. Taitien Basic Information, Manufacturing Base and Competitors

Table 134. Taitien Major Business

Table 135. Taitien MEMS & Crystal Oscillators Product and Services

Table 136. Taitien MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 137. Taitien Recent Developments/Updates

Table 138. Taitien Competitive Strengths & Weaknesses

Table 139. CTS Corp Basic Information, Manufacturing Base and Competitors

Table 140. CTS Corp Major Business

Table 141. CTS Corp MEMS & Crystal Oscillators Product and Services

Table 142. CTS Corp MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 143. CTS Corp Recent Developments/Updates

Table 144. CTS Corp Competitive Strengths & Weaknesses

Table 145. Bliley Technologies Basic Information, Manufacturing Base and Competitors

Table 146. Bliley Technologies Major Business

Table 147. Bliley Technologies MEMS & Crystal Oscillators Product and Services

Table 148. Bliley Technologies MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 149. Bliley Technologies Recent Developments/Updates

Table 150. Bliley Technologies Competitive Strengths & Weaknesses

Table 151. NEL Frequency Controls Basic Information, Manufacturing Base and Competitors

Table 152. NEL Frequency Controls Major Business

Table 153. NEL Frequency Controls MEMS & Crystal Oscillators Product and Services

Table 154. NEL Frequency Controls MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 155. NEL Frequency Controls Recent Developments/Updates

Table 156. Skyworks Basic Information, Manufacturing Base and Competitors

Table 157. Skyworks Major Business

Table 158. Skyworks MEMS & Crystal Oscillators Product and Services

Table 159. Skyworks MEMS & Crystal Oscillators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 160. MEMS & Crystal Oscillators Raw Material

Table 161. Key Manufacturers of MEMS & Crystal Oscillators Raw Materials

Table 162. MEMS & Crystal Oscillators Typical Distributors

Table 163. MEMS & Crystal Oscillators Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. MEMS & Crystal Oscillators Picture

Figure 2. World MEMS & Crystal Oscillators Production Value: 2017 & 2021 & 2028, (USD Million)

Figure 3. World MEMS & Crystal Oscillators Production Value and Forecast (2017-2028) & (USD Million)

Figure 4. World MEMS & Crystal Oscillators Production (2017-2028) & (K Units)

Figure 5. World MEMS & Crystal Oscillators Average Price (2017-2028) & (US\$/Unit)

Figure 6. World MEMS & Crystal Oscillators Production Value Market Share by Region (2017-2028)

Figure 7. World MEMS & Crystal Oscillators Production Market Share by Region (2017-2028)

Figure 8. North America MEMS & Crystal Oscillators Production (2017-2028) & (K Units)

Figure 9. Europe MEMS & Crystal Oscillators Production (2017-2028) & (K Units)

Figure 10. China MEMS & Crystal Oscillators Production (2017-2028) & (K Units)

Figure 11. Japan MEMS & Crystal Oscillators Production (2017-2028) & (K Units)

Figure 12. MEMS & Crystal Oscillators Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World MEMS & Crystal Oscillators Demand (2017-2028) & (K Units)

Figure 15. World MEMS & Crystal Oscillators Consumption Market Share by Region (2017-2028)

Figure 16. United States MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 17. China MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 18. Europe MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 19. Japan MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 20. South Korea MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 21. ASEAN MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 22. India MEMS & Crystal Oscillators Consumption (2017-2028) & (K Units)

Figure 23. Producer Shipments of MEMS & Crystal Oscillators by Manufacturer Revenue (\$MM) and Market Share (%): 2021

Figure 24. Global Four-firm Concentration Ratios (CR4) for MEMS & Crystal Oscillators Markets in 2021

Figure 25. Global Four-firm Concentration Ratios (CR8) for MEMS & Crystal Oscillators

Markets in 2021

Figure 26. United States VS China: MEMS & Crystal Oscillators Production Value Market Share Comparison (2017 & 2021 & 2028)

Figure 27. United States VS China: MEMS & Crystal Oscillators Production Market Share Comparison (2017 & 2021 & 2028)

Figure 28. United States VS China: MEMS & Crystal Oscillators Consumption Market Share Comparison (2017 & 2021 & 2028)

Figure 29. Key Producers and Market Share of MEMS & Crystal Oscillators in United States

Figure 30. Key Producers and Market Share of MEMS & Crystal Oscillators in China

Figure 31. Key Producers and Market Share of MEMS & Crystal Oscillators in Rest of World

Figure 32. World MEMS & Crystal Oscillators Production Value by Type, (USD Million), 2017 & 2021 & 2028

Figure 33. World MEMS & Crystal Oscillators Production Value Market Share by Type in 2021

Figure 34. Crystal Oscillator

Figure 35. MEMS Oscillator

Figure 36. World MEMS & Crystal Oscillators Production Market Share by Type (2017-2028)

Figure 37. World MEMS & Crystal Oscillators Production Value Market Share by Type (2017-2028)

Figure 38. World MEMS & Crystal Oscillators Average Price by Type (2017-2028) & (US\$/Unit)

Figure 39. World MEMS & Crystal Oscillators Production Value by Application, (USD Million), 2017 & 2021 & 2028

Figure 40. World MEMS & Crystal Oscillators Production Value Market Share by Application in 2021

Figure 41. Industrial

Figure 42. Automobile

Figure 43. Wearable Equipment

Figure 44. Consumer Electronics

Figure 45. Communication Equipment

Figure 46. Others

Figure 47. World MEMS & Crystal Oscillators Production Market Share by Application (2017-2028)

Figure 48. World MEMS & Crystal Oscillators Production Value Market Share by Application (2017-2028)

Figure 49. World MEMS & Crystal Oscillators Average Price by Application (2017-2028)

& (US\$/Unit)

Figure 50. Manufacturing Cost Structure Analysis of MEMS & Crystal Oscillators in 2021

Figure 51. Manufacturing Process Analysis of MEMS & Crystal Oscillators

Figure 52. MEMS & Crystal Oscillators Industrial Chain

Figure 53. Distribution Channel Breakdown for MEMS & Crystal Oscillators Shipments (%): 2017-2028

Figure 54. Direct Channel Pros & Cons

Figure 55. Indirect Channel Pros & Cons

Figure 56. Methodology

Figure 57. Research Process and Data Source

I would like to order

Product name: Global MEMS & Crystal Oscillators Production, Demand and Key Producers, 2022-2028

Product link: <https://marketpublishers.com/r/G7FA63385394EN.html>

Price: US\$ 4,480.00 (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/G7FA63385394EN.html>