

Global Automotive-Grade Quartz Crystal Resonator Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G2BDEDB9065EEN.html>

Date: April 2026

Pages: 135

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

ID: G2BDEDB9065EEN

Abstracts

The global Automotive-Grade Quartz Crystal Resonator market size is expected to reach \$ 2663 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global automotive-grade quartz crystal resonator production capacity is 2,500,000,000 units, with production reached approximately 1,900,000,000 units, with an average global market price of around US\$ 0.90 per unit. The market gross margin is mainly 25%-35%. Automotive-grade quartz crystal resonators are quartz crystal components that have passed the Automotive Electronics Reliability Qualification (AEC-Q200). Their core function is to provide a high-precision, highly stable clock reference signal for the vehicle's electronic control unit (ECU). They offer exceptional reliability, high-temperature and vibration resistance, and a long lifespan. They can operate stably and continuously in harsh automotive environments (-40°C to +125°C/150°C), serving as the 'heartbeat' of automotive electronic systems.

The upstream of the automotive-grade quartz crystal resonator industry includes synthetic quartz materials, crystal cutting and polishing equipment, electrode materials, packaging substrates, and precision manufacturing tools. High-purity quartz and advanced wafer processing technologies are critical for ensuring frequency stability and low phase noise. The midstream involves resonator design, crystal processing, electrode deposition, encapsulation, testing, and automotive-grade qualification by component manufacturers. Stringent quality control, reliability testing, and traceability systems are required to meet automotive standards. The downstream market includes automotive OEMs, Tier 1 suppliers, and electronics module manufacturers. In addition to component supply, long-term reliability assurance, supply chain stability, and customization capabilities are key competitive factors in this industry.

The global automotive-grade quartz crystal resonator market is expected to maintain steady growth, driven primarily by the continued advancement of automotive electronics and intelligent technology. As the clock reference for automotive electronic systems, this component, with its high reliability and precise timing capabilities, has become essential hardware for ensuring the stable operation of various in-vehicle controllers. Regionally, the Asia-Pacific region, with its vast automotive manufacturing capacity and well-developed electronics industry chain, will continue to dominate global production and supply, particularly in the new energy vehicle sector, where demand is strongest. The North American and European markets, with their deep industrial heritage and leading technical standards, maintain their advantages in high-end vehicles and cutting-edge applications, placing extremely stringent demands on component performance and reliability. Emerging markets are expected to gradually unleash potential demand as the automotive industry upgrades and electronic technology becomes more widespread. Technological innovation remains the core driving force behind industry development, and leading companies are committed to promoting component miniaturization and high precision. Overall, the automotive-grade quartz crystal resonator market is evolving from a basic component to a high-value component. Its technological barriers to entry and irreplaceable nature will support the continued growth of the global market.

This report studies the global Automotive-Grade Quartz Crystal Resonator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive-Grade Quartz Crystal Resonator and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive-Grade Quartz Crystal Resonator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive-Grade Quartz Crystal Resonator total production and demand, 2021-2032, (K Units)

Global Automotive-Grade Quartz Crystal Resonator total production value, 2021-2032, (USD Million)

Global Automotive-Grade Quartz Crystal Resonator production by region & country,

production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Automotive-Grade Quartz Crystal Resonator consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Automotive-Grade Quartz Crystal Resonator domestic production, consumption, key domestic manufacturers and share

Global Automotive-Grade Quartz Crystal Resonator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Automotive-Grade Quartz Crystal Resonator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Automotive-Grade Quartz Crystal Resonator production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automotive-Grade Quartz Crystal Resonator market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ??Seiko Epson, NDK, ?TXC, Microchip Technology, KDS Daishinku, KYOCERA AVX, Micro Crystal, Abracon, HOSONIC, Tangshan Guoxin Jingyuan Electronics, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive-Grade Quartz Crystal Resonator 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 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive-Grade Quartz Crystal Resonator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive-Grade Quartz Crystal Resonator Market, Segmentation by Type:

Low-Frequency Crystal Resonator

High-Frequency Crystal Resonator

Global Automotive-Grade Quartz Crystal Resonator Market, Segmentation by Packaging Type:

SMD Crystal Resonator

Through-Hole Crystal Resonator

Global Automotive-Grade Quartz Crystal Resonator Market, Segmentation by Stability Grade:

Standard Stability

High Stability

Ultra-High Stability

Global Automotive-Grade Quartz Crystal Resonator Market, Segmentation by Application:

Powertrain System

Intelligent Cockpit System

Chassis and Safety System

Connected System

Companies Profiled:

??Seiko Epson

NDK

?TXC

Microchip Technology

KDS Daishinku

KYOCERA AVX

Micro Crystal

Abracon

HOSONIC

Tangshan Guoxin Jingyuan Electronics

Anhui Jing Sai Technology Co

River Eletec

Siward

Key Questions Answered:

1. How big is the global Automotive-Grade Quartz Crystal Resonator market?
2. What is the demand of the global Automotive-Grade Quartz Crystal Resonator market?
3. What is the year over year growth of the global Automotive-Grade Quartz Crystal Resonator market?
4. What is the production and production value of the global Automotive-Grade Quartz Crystal Resonator market?
5. Who are the key producers in the global Automotive-Grade Quartz Crystal Resonator market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Automotive-Grade Quartz Crystal Resonator Introduction
- 1.2 World Automotive-Grade Quartz Crystal Resonator Supply & Forecast
 - 1.2.1 World Automotive-Grade Quartz Crystal Resonator Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Automotive-Grade Quartz Crystal Resonator Production (2021-2032)
 - 1.2.3 World Automotive-Grade Quartz Crystal Resonator Pricing Trends (2021-2032)
- 1.3 World Automotive-Grade Quartz Crystal Resonator Production by Region (Based on Production Site)
 - 1.3.1 World Automotive-Grade Quartz Crystal Resonator Production Value by Region (2021-2032)
 - 1.3.2 World Automotive-Grade Quartz Crystal Resonator Production by Region (2021-2032)
 - 1.3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Region (2021-2032)
 - 1.3.4 North America Automotive-Grade Quartz Crystal Resonator Production (2021-2032)
 - 1.3.5 Europe Automotive-Grade Quartz Crystal Resonator Production (2021-2032)
 - 1.3.6 China Automotive-Grade Quartz Crystal Resonator Production (2021-2032)
 - 1.3.7 Japan Automotive-Grade Quartz Crystal Resonator Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Automotive-Grade Quartz Crystal Resonator Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Automotive-Grade Quartz Crystal Resonator Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Automotive-Grade Quartz Crystal Resonator Demand (2021-2032)
- 2.2 World Automotive-Grade Quartz Crystal Resonator Consumption by Region
 - 2.2.1 World Automotive-Grade Quartz Crystal Resonator Consumption by Region (2021-2026)
 - 2.2.2 World Automotive-Grade Quartz Crystal Resonator Consumption Forecast by Region (2027-2032)
- 2.3 United States Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)
- 2.4 China Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)

- 2.5 Europe Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)
- 2.6 Japan Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)
- 2.7 South Korea Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)
- 2.8 ASEAN Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)
- 2.9 India Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Automotive-Grade Quartz Crystal Resonator Production Value by Manufacturer (2021-2026)
- 3.2 World Automotive-Grade Quartz Crystal Resonator Production by Manufacturer (2021-2026)
- 3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Manufacturer (2021-2026)
- 3.4 Automotive-Grade Quartz Crystal Resonator Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Automotive-Grade Quartz Crystal Resonator Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Automotive-Grade Quartz Crystal Resonator in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Automotive-Grade Quartz Crystal Resonator in 2025
- 3.6 Automotive-Grade Quartz Crystal Resonator Market: Overall Company Footprint Analysis
 - 3.6.1 Automotive-Grade Quartz Crystal Resonator Market: Region Footprint
 - 3.6.2 Automotive-Grade Quartz Crystal Resonator Market: Company Product Type Footprint
 - 3.6.3 Automotive-Grade Quartz Crystal Resonator 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: Automotive-Grade Quartz Crystal Resonator Production Value Comparison

4.1.1 United States VS China: Automotive-Grade Quartz Crystal Resonator Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Automotive-Grade Quartz Crystal Resonator Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Automotive-Grade Quartz Crystal Resonator Production Comparison

4.2.1 United States VS China: Automotive-Grade Quartz Crystal Resonator Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Automotive-Grade Quartz Crystal Resonator Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Automotive-Grade Quartz Crystal Resonator Consumption Comparison

4.3.1 United States VS China: Automotive-Grade Quartz Crystal Resonator Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Automotive-Grade Quartz Crystal Resonator Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Automotive-Grade Quartz Crystal Resonator Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value (2021-2026)

4.4.3 United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production (2021-2026)

4.5 China Based Automotive-Grade Quartz Crystal Resonator Manufacturers and Market Share

4.5.1 China Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value (2021-2026)

4.5.3 China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production (2021-2026)

4.6 Rest of World Based Automotive-Grade Quartz Crystal Resonator Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator

Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Automotive-Grade Quartz Crystal Resonator Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Low-Frequency Crystal Resonator

5.2.2 High-Frequency Crystal Resonator

5.3 Market Segment by Type

5.3.1 World Automotive-Grade Quartz Crystal Resonator Production by Type (2021-2032)

5.3.2 World Automotive-Grade Quartz Crystal Resonator Production Value by Type (2021-2032)

5.3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PACKAGING TYPE

6.1 World Automotive-Grade Quartz Crystal Resonator Market Size Overview by Packaging Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Packaging Type

6.2.1 SMD Crystal Resonator

6.2.2 Through-Hole Crystal Resonator

6.3 Market Segment by Packaging Type

6.3.1 World Automotive-Grade Quartz Crystal Resonator Production by Packaging Type (2021-2032)

6.3.2 World Automotive-Grade Quartz Crystal Resonator Production Value by Packaging Type (2021-2032)

6.3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Packaging Type (2021-2032)

7 MARKET ANALYSIS BY STABILITY GRADE

7.1 World Automotive-Grade Quartz Crystal Resonator Market Size Overview by Stability Grade: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Stability Grade

- 7.2.1 Standard Stability
- 7.2.2 High Stability
- 7.2.3 Ultra-High Stability
- 7.3 Market Segment by Stability Grade
 - 7.3.1 World Automotive-Grade Quartz Crystal Resonator Production by Stability Grade (2021-2032)
 - 7.3.2 World Automotive-Grade Quartz Crystal Resonator Production Value by Stability Grade (2021-2032)
 - 7.3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Stability Grade (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

- 8.1 World Automotive-Grade Quartz Crystal Resonator Market Size Overview by Application: 2021 VS 2025 VS 2032
- 8.2 Segment Introduction by Application
 - 8.2.1 Powertrain System
 - 8.2.2 Intelligent Cockpit System
 - 8.2.3 Chassis and Safety System
 - 8.2.4 Connected System
- 8.3 Market Segment by Application
 - 8.3.1 World Automotive-Grade Quartz Crystal Resonator Production by Application (2021-2032)
 - 8.3.2 World Automotive-Grade Quartz Crystal Resonator Production Value by Application (2021-2032)
 - 8.3.3 World Automotive-Grade Quartz Crystal Resonator Average Price by Application (2021-2032)

9 COMPANY PROFILES

- 9.1 ??Seiko Epson
 - 9.1.1 ??Seiko Epson Details
 - 9.1.2 ??Seiko Epson Major Business
 - 9.1.3 ??Seiko Epson Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.1.4 ??Seiko Epson Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.1.5 ??Seiko Epson Recent Developments/Updates
 - 9.1.6 ??Seiko Epson Competitive Strengths & Weaknesses

9.2 NDK

9.2.1 NDK Details

9.2.2 NDK Major Business

9.2.3 NDK Automotive-Grade Quartz Crystal Resonator Product and Services

9.2.4 NDK Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 NDK Recent Developments/Updates

9.2.6 NDK Competitive Strengths & Weaknesses

9.3 ?TXC

9.3.1 ?TXC Details

9.3.2 ?TXC Major Business

9.3.3 ?TXC Automotive-Grade Quartz Crystal Resonator Product and Services

9.3.4 ?TXC Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 ?TXC Recent Developments/Updates

9.3.6 ?TXC Competitive Strengths & Weaknesses

9.4 Microchip Technology

9.4.1 Microchip Technology Details

9.4.2 Microchip Technology Major Business

9.4.3 Microchip Technology Automotive-Grade Quartz Crystal Resonator Product and Services

9.4.4 Microchip Technology Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Microchip Technology Recent Developments/Updates

9.4.6 Microchip Technology Competitive Strengths & Weaknesses

9.5 KDS Daishinku

9.5.1 KDS Daishinku Details

9.5.2 KDS Daishinku Major Business

9.5.3 KDS Daishinku Automotive-Grade Quartz Crystal Resonator Product and Services

9.5.4 KDS Daishinku Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 KDS Daishinku Recent Developments/Updates

9.5.6 KDS Daishinku Competitive Strengths & Weaknesses

9.6 KYOCERA AVX

9.6.1 KYOCERA AVX Details

9.6.2 KYOCERA AVX Major Business

9.6.3 KYOCERA AVX Automotive-Grade Quartz Crystal Resonator Product and Services

- 9.6.4 KYOCERA AVX Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.6.5 KYOCERA AVX Recent Developments/Updates
- 9.6.6 KYOCERA AVX Competitive Strengths & Weaknesses
- 9.7 Micro Crystal
 - 9.7.1 Micro Crystal Details
 - 9.7.2 Micro Crystal Major Business
 - 9.7.3 Micro Crystal Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.7.4 Micro Crystal Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Micro Crystal Recent Developments/Updates
 - 9.7.6 Micro Crystal Competitive Strengths & Weaknesses
- 9.8 Abracon
 - 9.8.1 Abracon Details
 - 9.8.2 Abracon Major Business
 - 9.8.3 Abracon Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.8.4 Abracon Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Abracon Recent Developments/Updates
 - 9.8.6 Abracon Competitive Strengths & Weaknesses
- 9.9 HOSONIC
 - 9.9.1 HOSONIC Details
 - 9.9.2 HOSONIC Major Business
 - 9.9.3 HOSONIC Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.9.4 HOSONIC Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 HOSONIC Recent Developments/Updates
 - 9.9.6 HOSONIC Competitive Strengths & Weaknesses
- 9.10 Tangshan Guoxin Jingyuan Electronics
 - 9.10.1 Tangshan Guoxin Jingyuan Electronics Details
 - 9.10.2 Tangshan Guoxin Jingyuan Electronics Major Business
 - 9.10.3 Tangshan Guoxin Jingyuan Electronics Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.10.4 Tangshan Guoxin Jingyuan Electronics Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Tangshan Guoxin Jingyuan Electronics Recent Developments/Updates
 - 9.10.6 Tangshan Guoxin Jingyuan Electronics Competitive Strengths & Weaknesses
- 9.11 Anhui Jing Sai Technology Co
 - 9.11.1 Anhui Jing Sai Technology Co Details

- 9.11.2 Anhui Jing Sai Technology Co Major Business
- 9.11.3 Anhui Jing Sai Technology Co Automotive-Grade Quartz Crystal Resonator Product and Services
- 9.11.4 Anhui Jing Sai Technology Co Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 Anhui Jing Sai Technology Co Recent Developments/Updates
- 9.11.6 Anhui Jing Sai Technology Co Competitive Strengths & Weaknesses
- 9.12 River Eletec
 - 9.12.1 River Eletec Details
 - 9.12.2 River Eletec Major Business
 - 9.12.3 River Eletec Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.12.4 River Eletec Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 River Eletec Recent Developments/Updates
 - 9.12.6 River Eletec Competitive Strengths & Weaknesses
- 9.13 Siward
 - 9.13.1 Siward Details
 - 9.13.2 Siward Major Business
 - 9.13.3 Siward Automotive-Grade Quartz Crystal Resonator Product and Services
 - 9.13.4 Siward Automotive-Grade Quartz Crystal Resonator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Siward Recent Developments/Updates
 - 9.13.6 Siward Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Automotive-Grade Quartz Crystal Resonator Industry Chain
- 10.2 Automotive-Grade Quartz Crystal Resonator Upstream Analysis
 - 10.2.1 Automotive-Grade Quartz Crystal Resonator Core Raw Materials
 - 10.2.2 Main Manufacturers of Automotive-Grade Quartz Crystal Resonator Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Automotive-Grade Quartz Crystal Resonator Production Mode
- 10.6 Automotive-Grade Quartz Crystal Resonator Procurement Model
- 10.7 Automotive-Grade Quartz Crystal Resonator Industry Sales Model and Sales Channels
 - 10.7.1 Automotive-Grade Quartz Crystal Resonator Sales Model
 - 10.7.2 Automotive-Grade Quartz Crystal Resonator Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Automotive-Grade Quartz Crystal Resonator Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Automotive-Grade Quartz Crystal Resonator Production Value by Region (2021-2026) & (USD Million)

Table 3. World Automotive-Grade Quartz Crystal Resonator Production Value by Region (2027-2032) & (USD Million)

Table 4. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Region (2021-2026)

Table 5. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Region (2027-2032)

Table 6. World Automotive-Grade Quartz Crystal Resonator Production by Region (2021-2026) & (K Units)

Table 7. World Automotive-Grade Quartz Crystal Resonator Production by Region (2027-2032) & (K Units)

Table 8. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Region (2021-2026)

Table 9. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Region (2027-2032)

Table 10. World Automotive-Grade Quartz Crystal Resonator Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Automotive-Grade Quartz Crystal Resonator Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Automotive-Grade Quartz Crystal Resonator Major Market Trends

Table 13. World Automotive-Grade Quartz Crystal Resonator Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Automotive-Grade Quartz Crystal Resonator Consumption by Region (2021-2026) & (K Units)

Table 15. World Automotive-Grade Quartz Crystal Resonator Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Automotive-Grade Quartz Crystal Resonator Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Automotive-Grade Quartz Crystal Resonator Producers in 2025

Table 18. World Automotive-Grade Quartz Crystal Resonator Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Automotive-Grade Quartz Crystal Resonator Producers in 2025

Table 20. World Automotive-Grade Quartz Crystal Resonator Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Automotive-Grade Quartz Crystal Resonator Company Evaluation Quadrant

Table 22. World Automotive-Grade Quartz Crystal Resonator Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Automotive-Grade Quartz Crystal Resonator Production Site of Key Manufacturer

Table 24. Automotive-Grade Quartz Crystal Resonator Market: Company Product Type Footprint

Table 25. Automotive-Grade Quartz Crystal Resonator Market: Company Product Application Footprint

Table 26. Automotive-Grade Quartz Crystal Resonator Competitive Factors

Table 27. Automotive-Grade Quartz Crystal Resonator New Entrant and Capacity Expansion Plans

Table 28. Automotive-Grade Quartz Crystal Resonator Mergers & Acquisitions Activity

Table 29. United States VS China Automotive-Grade Quartz Crystal Resonator Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Automotive-Grade Quartz Crystal Resonator Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Automotive-Grade Quartz Crystal Resonator Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share (2021-2026)

Table 37. China Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Automotive-Grade Quartz Crystal Resonator

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share (2021-2026)

Table 42. Rest of World Based Automotive-Grade Quartz Crystal Resonator Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share (2021-2026)

Table 47. World Automotive-Grade Quartz Crystal Resonator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Automotive-Grade Quartz Crystal Resonator Production by Type (2021-2026) & (K Units)

Table 49. World Automotive-Grade Quartz Crystal Resonator Production by Type (2027-2032) & (K Units)

Table 50. World Automotive-Grade Quartz Crystal Resonator Production Value by Type (2021-2026) & (USD Million)

Table 51. World Automotive-Grade Quartz Crystal Resonator Production Value by Type (2027-2032) & (USD Million)

Table 52. World Automotive-Grade Quartz Crystal Resonator Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Automotive-Grade Quartz Crystal Resonator Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Automotive-Grade Quartz Crystal Resonator Production Value by Packaging Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Automotive-Grade Quartz Crystal Resonator Production by Packaging Type (2021-2026) & (K Units)

Table 56. World Automotive-Grade Quartz Crystal Resonator Production by Packaging Type (2027-2032) & (K Units)

Table 57. World Automotive-Grade Quartz Crystal Resonator Production Value by Packaging Type (2021-2026) & (USD Million)

Table 58. World Automotive-Grade Quartz Crystal Resonator Production Value by Packaging Type (2027-2032) & (USD Million)

Table 59. World Automotive-Grade Quartz Crystal Resonator Average Price by Packaging Type (2021-2026) & (US\$/Unit)

Table 60. World Automotive-Grade Quartz Crystal Resonator Average Price by Packaging Type (2027-2032) & (US\$/Unit)

Table 61. World Automotive-Grade Quartz Crystal Resonator Production Value by Stability Grade, (USD Million), 2021 & 2025 & 2032

Table 62. World Automotive-Grade Quartz Crystal Resonator Production by Stability Grade (2021-2026) & (K Units)

Table 63. World Automotive-Grade Quartz Crystal Resonator Production by Stability Grade (2027-2032) & (K Units)

Table 64. World Automotive-Grade Quartz Crystal Resonator Production Value by Stability Grade (2021-2026) & (USD Million)

Table 65. World Automotive-Grade Quartz Crystal Resonator Production Value by Stability Grade (2027-2032) & (USD Million)

Table 66. World Automotive-Grade Quartz Crystal Resonator Average Price by Stability Grade (2021-2026) & (US\$/Unit)

Table 67. World Automotive-Grade Quartz Crystal Resonator Average Price by Stability Grade (2027-2032) & (US\$/Unit)

Table 68. World Automotive-Grade Quartz Crystal Resonator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Automotive-Grade Quartz Crystal Resonator Production by Application (2021-2026) & (K Units)

Table 70. World Automotive-Grade Quartz Crystal Resonator Production by Application (2027-2032) & (K Units)

Table 71. World Automotive-Grade Quartz Crystal Resonator Production Value by Application (2021-2026) & (USD Million)

Table 72. World Automotive-Grade Quartz Crystal Resonator Production Value by Application (2027-2032) & (USD Million)

Table 73. World Automotive-Grade Quartz Crystal Resonator Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Automotive-Grade Quartz Crystal Resonator Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. ??Seiko Epson Basic Information, Manufacturing Base and Competitors

Table 76. ??Seiko Epson Major Business

Table 77. ??Seiko Epson Automotive-Grade Quartz Crystal Resonator Product and Services

Table 78. ??Seiko Epson Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. ??Seiko Epson Recent Developments/Updates

Table 80. ??Seiko Epson Competitive Strengths & Weaknesses

Table 81. NDK Basic Information, Manufacturing Base and Competitors

Table 82. NDK Major Business

Table 83. NDK Automotive-Grade Quartz Crystal Resonator Product and Services

Table 84. NDK Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. NDK Recent Developments/Updates

Table 86. NDK Competitive Strengths & Weaknesses

Table 87. ?TXC Basic Information, Manufacturing Base and Competitors

Table 88. ?TXC Major Business

Table 89. ?TXC Automotive-Grade Quartz Crystal Resonator Product and Services

Table 90. ?TXC Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. ?TXC Recent Developments/Updates

Table 92. ?TXC Competitive Strengths & Weaknesses

Table 93. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 94. Microchip Technology Major Business

Table 95. Microchip Technology Automotive-Grade Quartz Crystal Resonator Product and Services

Table 96. Microchip Technology Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Microchip Technology Recent Developments/Updates

Table 98. Microchip Technology Competitive Strengths & Weaknesses

Table 99. KDS Daishinku Basic Information, Manufacturing Base and Competitors

Table 100. KDS Daishinku Major Business

Table 101. KDS Daishinku Automotive-Grade Quartz Crystal Resonator Product and Services

Table 102. KDS Daishinku Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. KDS Daishinku Recent Developments/Updates

Table 104. KDS Daishinku Competitive Strengths & Weaknesses

Table 105. KYOCERA AVX Basic Information, Manufacturing Base and Competitors

Table 106. KYOCERA AVX Major Business

Table 107. KYOCERA AVX Automotive-Grade Quartz Crystal Resonator Product and Services

Table 108. KYOCERA AVX Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. KYOCERA AVX Recent Developments/Updates

Table 110. KYOCERA AVX Competitive Strengths & Weaknesses

Table 111. Micro Crystal Basic Information, Manufacturing Base and Competitors

Table 112. Micro Crystal Major Business

Table 113. Micro Crystal Automotive-Grade Quartz Crystal Resonator Product and Services

Table 114. Micro Crystal Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Micro Crystal Recent Developments/Updates

Table 116. Micro Crystal Competitive Strengths & Weaknesses

Table 117. Abracon Basic Information, Manufacturing Base and Competitors

Table 118. Abracon Major Business

Table 119. Abracon Automotive-Grade Quartz Crystal Resonator Product and Services

Table 120. Abracon Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Abracon Recent Developments/Updates

Table 122. Abracon Competitive Strengths & Weaknesses

Table 123. HOSONIC Basic Information, Manufacturing Base and Competitors

Table 124. HOSONIC Major Business

Table 125. HOSONIC Automotive-Grade Quartz Crystal Resonator Product and Services

Table 126. HOSONIC Automotive-Grade Quartz Crystal Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. HOSONIC Recent Developments/Updates

Table 128. HOSONIC Competitive Strengths & Weaknesses

Table 129. Tangshan Guoxin Jingyuan Electronics Basic Information, Manufacturing Base and Competitors

Table 130. Tangshan Guoxin Jingyuan Electronics Major Business

Table 131. Tangshan Guoxin Jingyuan Electronics Automotive-Grade Quartz Crystal Resonator Product and Services

Table 132. Tangshan Guoxin Jingyuan Electronics Automotive-Grade Quartz Crystal

Resonator Production (K Units), Price (US\$/Unit), Production Value (USD Million),
Gross Margin and Market Share (2021-2026)

Table 133. Tangshan Guoxin Jingyuan Electronics Recent Developments/Updates

Table 134. Tangshan Guoxin Jingyuan Electronics Competitive Strengths &
Weaknesses

Table 135. Anhui Jing Sai Technology Co Basic Information, Manufacturing Base and
Competitors

Table 136. Anhui Jing Sai Technology Co Major Business

Table 137. Anhui Jing Sai Technology Co Automotive-Grade Quartz Crystal Resonator
Product and Services

Table 138. Anhui Jing Sai Technology Co Automotive-Grade Quartz Crystal Resonator
Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin
and Market Share (2021-2026)

Table 139. Anhui Jing Sai Technology Co Recent Developments/Updates

Table 140. Anhui Jing Sai Technology Co Competitive Strengths & Weaknesses

Table 141. River Eletec Basic Information, Manufacturing Base and Competitors

Table 142. River Eletec Major Business

Table 143. River Eletec Automotive-Grade Quartz Crystal Resonator Product and
Services

Table 144. River Eletec Automotive-Grade Quartz Crystal Resonator Production (K
Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market
Share (2021-2026)

Table 145. River Eletec Recent Developments/Updates

Table 146. River Eletec Competitive Strengths & Weaknesses

Table 147. Siward Basic Information, Manufacturing Base and Competitors

Table 148. Siward Major Business

Table 149. Siward Automotive-Grade Quartz Crystal Resonator Product and Services

Table 150. Siward Automotive-Grade Quartz Crystal Resonator Production (K Units),
Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 151. Siward Recent Developments/Updates

Table 152. Siward Competitive Strengths & Weaknesses

Table 153. Global Key Players of Automotive-Grade Quartz Crystal Resonator
Upstream (Raw Materials)

Table 154. Global Automotive-Grade Quartz Crystal Resonator Typical Customers

Table 155. Automotive-Grade Quartz Crystal Resonator Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Automotive-Grade Quartz Crystal Resonator Picture

Figure 2. World Automotive-Grade Quartz Crystal Resonator Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Automotive-Grade Quartz Crystal Resonator Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Automotive-Grade Quartz Crystal Resonator Production (2021-2032) & (K Units)

Figure 5. World Automotive-Grade Quartz Crystal Resonator Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Region (2021-2032)

Figure 7. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Region (2021-2032)

Figure 8. North America Automotive-Grade Quartz Crystal Resonator Production (2021-2032) & (K Units)

Figure 9. Europe Automotive-Grade Quartz Crystal Resonator Production (2021-2032) & (K Units)

Figure 10. China Automotive-Grade Quartz Crystal Resonator Production (2021-2032) & (K Units)

Figure 11. Japan Automotive-Grade Quartz Crystal Resonator Production (2021-2032) & (K Units)

Figure 12. Automotive-Grade Quartz Crystal Resonator Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 15. World Automotive-Grade Quartz Crystal Resonator Consumption Market Share by Region (2021-2032)

Figure 16. United States Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 17. China Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 18. Europe Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 19. Japan Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 20. South Korea Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 22. India Automotive-Grade Quartz Crystal Resonator Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Automotive-Grade Quartz Crystal Resonator by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Automotive-Grade Quartz Crystal Resonator Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Automotive-Grade Quartz Crystal Resonator Markets in 2025

Figure 26. United States VS China: Automotive-Grade Quartz Crystal Resonator Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Automotive-Grade Quartz Crystal Resonator Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Automotive-Grade Quartz Crystal Resonator Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share 2025

Figure 30. China Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Automotive-Grade Quartz Crystal Resonator Production Market Share 2025

Figure 32. World Automotive-Grade Quartz Crystal Resonator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Type in 2025

Figure 34. Low-Frequency Crystal Resonator

Figure 35. High-Frequency Crystal Resonator

Figure 36. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Type (2021-2032)

Figure 37. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Type (2021-2032)

Figure 38. World Automotive-Grade Quartz Crystal Resonator Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Automotive-Grade Quartz Crystal Resonator Production Value by Packaging Type, (USD Million), 2021 & 2025 & 2032

Figure 40. World Automotive-Grade Quartz Crystal Resonator Production Value Market

Share by Packaging Type in 2025

Figure 41. SMD Crystal Resonator

Figure 42. Through-Hole Crystal Resonator

Figure 43. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Packaging Type (2021-2032)

Figure 44. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Packaging Type (2021-2032)

Figure 45. World Automotive-Grade Quartz Crystal Resonator Average Price by Packaging Type (2021-2032) & (US\$/Unit)

Figure 46. World Automotive-Grade Quartz Crystal Resonator Production Value by Stability Grade, (USD Million), 2021 & 2025 & 2032

Figure 47. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Stability Grade in 2025

Figure 48. Standard Stability

Figure 49. High Stability

Figure 50. Ultra-High Stability

Figure 51. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Stability Grade (2021-2032)

Figure 52. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Stability Grade (2021-2032)

Figure 53. World Automotive-Grade Quartz Crystal Resonator Average Price by Stability Grade (2021-2032) & (US\$/Unit)

Figure 54. World Automotive-Grade Quartz Crystal Resonator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Application in 2025

Figure 56. Powertrain System

Figure 57. Intelligent Cockpit System

Figure 58. Chassis and Safety System

Figure 59. Connected System

Figure 60. World Automotive-Grade Quartz Crystal Resonator Production Market Share by Application (2021-2032)

Figure 61. World Automotive-Grade Quartz Crystal Resonator Production Value Market Share by Application (2021-2032)

Figure 62. World Automotive-Grade Quartz Crystal Resonator Average Price by Application (2021-2032) & (US\$/Unit)

Figure 63. Automotive-Grade Quartz Crystal Resonator Industry Chain

Figure 64. Automotive-Grade Quartz Crystal Resonator Procurement Model

Figure 65. Automotive-Grade Quartz Crystal Resonator Sales Model

Figure 66. Automotive-Grade Quartz Crystal Resonator Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

I would like to order

Product name: Global Automotive-Grade Quartz Crystal Resonator Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G2BDEDB9065EEN.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/G2BDEDB9065EEN.html>