

Global Binary Chip Capacitors Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Binary Chip Capacitors market size is expected to reach \$ 3938 million by 2032, rising at a market growth of 6.9% CAGR during the forecast period (2026-2032).

In 2025, global Binary Chip Capacitor output reached about 600 billion units and global capacity of around 700 billion units. The average price is about USD 0.004 per unit, with gross margins near 33%. Binary Chip Capacitors are compact surface-mount electronic capacitors designed with binary-scaled capacitance values or digitally selectable capacitor structures used in precision electronic circuits, programmable devices, timing systems, signal processing, memory addressing, calibration modules, and communication equipment. These capacitors are typically manufactured using multilayer ceramic capacitor (MLCC), thin-film, silicon-based, or integrated passive device (IPD) technologies, allowing highly accurate capacitance matching and miniaturized integration in advanced semiconductor and embedded systems. In practical applications, Binary Chip Capacitors are commonly utilized in digital tuning circuits, analog-to-digital converters (ADCs), digital-to-analog converters (DACs), RF modules, FPGA systems, programmable logic devices, and precision industrial electronics where binary-weighted capacitance networks are required. The supply chain begins with upstream raw material suppliers providing ceramic powders, silicon wafers, electrode metals (such as nickel, palladium, copper, and silver), dielectric materials, and packaging substrates. Midstream manufacturers fabricate capacitor chips through processes including dielectric layering, lithography, sputtering, etching, electrode printing, sintering, and semiconductor packaging. Downstream integration is carried out by electronics manufacturers and OEMs in sectors such as consumer electronics, telecommunications, automotive electronics, industrial automation, aerospace, medical devices, and high-performance computing systems, where Binary Chip Capacitors support precision signal control, frequency stabilization, filtering, and programmable

circuit functionality.

This report studies the global Binary Chip Capacitors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Binary Chip Capacitors 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 Binary Chip Capacitors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Binary Chip Capacitors total production and demand, 2021-2032, (Million Units)

Global Binary Chip Capacitors total production value, 2021-2032, (USD Million)

Global Binary Chip Capacitors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Binary Chip Capacitors consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Binary Chip Capacitors domestic production, consumption, key domestic manufacturers and share

Global Binary Chip Capacitors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Binary Chip Capacitors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Binary Chip Capacitors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Binary Chip Capacitors 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 YAGEO Group, Walsin Technology, Holy Stone Enterprise, Fenghua Advanced Technology, Sunlord Electronics, Torch Electron, TDK Corporation, Murata Manufacturing, Samsung, Taiyo Yuden, 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 Binary Chip Capacitors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million 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 Binary Chip Capacitors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Binary Chip Capacitors Market, Segmentation by Type:

Ceramic Capacitors

Silicon Capacitors

Glass Capacitors

Polymer Capacitors

Others

Global Binary Chip Capacitors Market, Segmentation by Capacitance Range:

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Global Binary Chip Capacitors Market, Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial Electronics

Telecom Networks

Others

Companies Profiled:

YAGEO Group

Walsin Technology

Holy Stone Enterprise

Fenghua Advanced Technology

Sunlord Electronics

Torch Electron

TDK Corporation

Murata Manufacturing

Samsung

Taiyo Yuden

Kyocera AVX

Vishay Intertechnology

Panasonic

Johanson Technology

Rohm Semiconductor

Nichicon

Nippon Chemi-Con

Samwha Capacitor

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

- 1.1 Binary Chip Capacitors Introduction
- 1.2 World Binary Chip Capacitors Supply & Forecast
 - 1.2.1 World Binary Chip Capacitors Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Binary Chip Capacitors Production (2021-2032)
 - 1.2.3 World Binary Chip Capacitors Pricing Trends (2021-2032)
- 1.3 World Binary Chip Capacitors Production by Region (Based on Production Site)
 - 1.3.1 World Binary Chip Capacitors Production Value by Region (2021-2032)
 - 1.3.2 World Binary Chip Capacitors Production by Region (2021-2032)
 - 1.3.3 World Binary Chip Capacitors Average Price by Region (2021-2032)
 - 1.3.4 North America Binary Chip Capacitors Production (2021-2032)
 - 1.3.5 Europe Binary Chip Capacitors Production (2021-2032)
 - 1.3.6 China Binary Chip Capacitors Production (2021-2032)
 - 1.3.7 Japan Binary Chip Capacitors Production (2021-2032)
 - 1.3.8 South Korea Binary Chip Capacitors Production (2021-2032)
 - 1.3.9 Southeast Asia Binary Chip Capacitors Production (2021-2032)
 - 1.3.10 China Taiwan Binary Chip Capacitors Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Binary Chip Capacitors Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Binary Chip Capacitors Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Binary Chip Capacitors Demand (2021-2032)
- 2.2 World Binary Chip Capacitors Consumption by Region
 - 2.2.1 World Binary Chip Capacitors Consumption by Region (2021-2026)
 - 2.2.2 World Binary Chip Capacitors Consumption Forecast by Region (2027-2032)
- 2.3 United States Binary Chip Capacitors Consumption (2021-2032)
- 2.4 China Binary Chip Capacitors Consumption (2021-2032)
- 2.5 Europe Binary Chip Capacitors Consumption (2021-2032)
- 2.6 Japan Binary Chip Capacitors Consumption (2021-2032)
- 2.7 South Korea Binary Chip Capacitors Consumption (2021-2032)
- 2.8 ASEAN Binary Chip Capacitors Consumption (2021-2032)
- 2.9 India Binary Chip Capacitors Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Binary Chip Capacitors Production Value by Manufacturer (2021-2026)
- 3.2 World Binary Chip Capacitors Production by Manufacturer (2021-2026)
- 3.3 World Binary Chip Capacitors Average Price by Manufacturer (2021-2026)
- 3.4 Binary Chip Capacitors Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Binary Chip Capacitors Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Binary Chip Capacitors in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Binary Chip Capacitors in 2025
- 3.6 Binary Chip Capacitors Market: Overall Company Footprint Analysis
 - 3.6.1 Binary Chip Capacitors Market: Region Footprint
 - 3.6.2 Binary Chip Capacitors Market: Company Product Type Footprint
 - 3.6.3 Binary Chip Capacitors 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: Binary Chip Capacitors Production Value Comparison
 - 4.1.1 United States VS China: Binary Chip Capacitors Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Binary Chip Capacitors Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Binary Chip Capacitors Production Comparison
 - 4.2.1 United States VS China: Binary Chip Capacitors Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Binary Chip Capacitors Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Binary Chip Capacitors Consumption Comparison
 - 4.3.1 United States VS China: Binary Chip Capacitors Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Binary Chip Capacitors Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Binary Chip Capacitors Manufacturers and Market Share,

2021-2026

4.4.1 United States Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Binary Chip Capacitors Production Value (2021-2026)

4.4.3 United States Based Manufacturers Binary Chip Capacitors Production (2021-2026)

4.5 China Based Binary Chip Capacitors Manufacturers and Market Share

4.5.1 China Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Binary Chip Capacitors Production Value (2021-2026)

4.5.3 China Based Manufacturers Binary Chip Capacitors Production (2021-2026)

4.6 Rest of World Based Binary Chip Capacitors Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Binary Chip Capacitors Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Binary Chip Capacitors Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Binary Chip Capacitors Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Ceramic Capacitors

5.2.2 Silicon Capacitors

5.2.3 Glass Capacitors

5.2.4 Polymer Capacitors

5.2.5 Others

5.3 Market Segment by Type

5.3.1 World Binary Chip Capacitors Production by Type (2021-2032)

5.3.2 World Binary Chip Capacitors Production Value by Type (2021-2032)

5.3.3 World Binary Chip Capacitors Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CAPACITANCE RANGE

6.1 World Binary Chip Capacitors Market Size Overview by Capacitance Range: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Capacitance Range

6.2.1 1 μ F

6.3 Market Segment by Capacitance Range

6.3.1 World Binary Chip Capacitors Production by Capacitance Range (2021-2032)

6.3.2 World Binary Chip Capacitors Production Value by Capacitance Range (2021-2032)

6.3.3 World Binary Chip Capacitors Average Price by Capacitance Range (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Binary Chip Capacitors Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Consumer Electronics

7.2.2 Automotive Electronics

7.2.3 Industrial Electronics

7.2.4 Telecom Networks

7.2.5 Others

7.3 Market Segment by Application

7.3.1 World Binary Chip Capacitors Production by Application (2021-2032)

7.3.2 World Binary Chip Capacitors Production Value by Application (2021-2032)

7.3.3 World Binary Chip Capacitors Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 YAGEO Group

8.1.1 YAGEO Group Details

8.1.2 YAGEO Group Major Business

8.1.3 YAGEO Group Binary Chip Capacitors Product and Services

8.1.4 YAGEO Group Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 YAGEO Group Recent Developments/Updates

8.1.6 YAGEO Group Competitive Strengths & Weaknesses

8.2 Walsin Technology

8.2.1 Walsin Technology Details

8.2.2 Walsin Technology Major Business

8.2.3 Walsin Technology Binary Chip Capacitors Product and Services

- 8.2.4 Walsin Technology Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.2.5 Walsin Technology Recent Developments/Updates
- 8.2.6 Walsin Technology Competitive Strengths & Weaknesses
- 8.3 Holy Stone Enterprise
 - 8.3.1 Holy Stone Enterprise Details
 - 8.3.2 Holy Stone Enterprise Major Business
 - 8.3.3 Holy Stone Enterprise Binary Chip Capacitors Product and Services
 - 8.3.4 Holy Stone Enterprise Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 Holy Stone Enterprise Recent Developments/Updates
 - 8.3.6 Holy Stone Enterprise Competitive Strengths & Weaknesses
- 8.4 Fenghua Advanced Technology
 - 8.4.1 Fenghua Advanced Technology Details
 - 8.4.2 Fenghua Advanced Technology Major Business
 - 8.4.3 Fenghua Advanced Technology Binary Chip Capacitors Product and Services
 - 8.4.4 Fenghua Advanced Technology Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Fenghua Advanced Technology Recent Developments/Updates
 - 8.4.6 Fenghua Advanced Technology Competitive Strengths & Weaknesses
- 8.5 Sunlord Electronics
 - 8.5.1 Sunlord Electronics Details
 - 8.5.2 Sunlord Electronics Major Business
 - 8.5.3 Sunlord Electronics Binary Chip Capacitors Product and Services
 - 8.5.4 Sunlord Electronics Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 Sunlord Electronics Recent Developments/Updates
 - 8.5.6 Sunlord Electronics Competitive Strengths & Weaknesses
- 8.6 Torch Electron
 - 8.6.1 Torch Electron Details
 - 8.6.2 Torch Electron Major Business
 - 8.6.3 Torch Electron Binary Chip Capacitors Product and Services
 - 8.6.4 Torch Electron Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.6.5 Torch Electron Recent Developments/Updates
 - 8.6.6 Torch Electron Competitive Strengths & Weaknesses
- 8.7 TDK Corporation
 - 8.7.1 TDK Corporation Details
 - 8.7.2 TDK Corporation Major Business

- 8.7.3 TDK Corporation Binary Chip Capacitors Product and Services
- 8.7.4 TDK Corporation Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.7.5 TDK Corporation Recent Developments/Updates
- 8.7.6 TDK Corporation Competitive Strengths & Weaknesses
- 8.8 Murata Manufacturing
 - 8.8.1 Murata Manufacturing Details
 - 8.8.2 Murata Manufacturing Major Business
 - 8.8.3 Murata Manufacturing Binary Chip Capacitors Product and Services
 - 8.8.4 Murata Manufacturing Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.8.5 Murata Manufacturing Recent Developments/Updates
 - 8.8.6 Murata Manufacturing Competitive Strengths & Weaknesses
- 8.9 Samsung
 - 8.9.1 Samsung Details
 - 8.9.2 Samsung Major Business
 - 8.9.3 Samsung Binary Chip Capacitors Product and Services
 - 8.9.4 Samsung Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.9.5 Samsung Recent Developments/Updates
 - 8.9.6 Samsung Competitive Strengths & Weaknesses
- 8.10 Taiyo Yuden
 - 8.10.1 Taiyo Yuden Details
 - 8.10.2 Taiyo Yuden Major Business
 - 8.10.3 Taiyo Yuden Binary Chip Capacitors Product and Services
 - 8.10.4 Taiyo Yuden Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Taiyo Yuden Recent Developments/Updates
 - 8.10.6 Taiyo Yuden Competitive Strengths & Weaknesses
- 8.11 Kyocera AVX
 - 8.11.1 Kyocera AVX Details
 - 8.11.2 Kyocera AVX Major Business
 - 8.11.3 Kyocera AVX Binary Chip Capacitors Product and Services
 - 8.11.4 Kyocera AVX Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Kyocera AVX Recent Developments/Updates
 - 8.11.6 Kyocera AVX Competitive Strengths & Weaknesses
- 8.12 Vishay Intertechnology
 - 8.12.1 Vishay Intertechnology Details

- 8.12.2 Vishay Intertechnology Major Business
- 8.12.3 Vishay Intertechnology Binary Chip Capacitors Product and Services
- 8.12.4 Vishay Intertechnology Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.12.5 Vishay Intertechnology Recent Developments/Updates
- 8.12.6 Vishay Intertechnology Competitive Strengths & Weaknesses
- 8.13 Panasonic
 - 8.13.1 Panasonic Details
 - 8.13.2 Panasonic Major Business
 - 8.13.3 Panasonic Binary Chip Capacitors Product and Services
 - 8.13.4 Panasonic Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.13.5 Panasonic Recent Developments/Updates
 - 8.13.6 Panasonic Competitive Strengths & Weaknesses
- 8.14 Johanson Technology
 - 8.14.1 Johanson Technology Details
 - 8.14.2 Johanson Technology Major Business
 - 8.14.3 Johanson Technology Binary Chip Capacitors Product and Services
 - 8.14.4 Johanson Technology Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.14.5 Johanson Technology Recent Developments/Updates
 - 8.14.6 Johanson Technology Competitive Strengths & Weaknesses
- 8.15 Rohm Semiconductor
 - 8.15.1 Rohm Semiconductor Details
 - 8.15.2 Rohm Semiconductor Major Business
 - 8.15.3 Rohm Semiconductor Binary Chip Capacitors Product and Services
 - 8.15.4 Rohm Semiconductor Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.15.5 Rohm Semiconductor Recent Developments/Updates
 - 8.15.6 Rohm Semiconductor Competitive Strengths & Weaknesses
- 8.16 Nichicon
 - 8.16.1 Nichicon Details
 - 8.16.2 Nichicon Major Business
 - 8.16.3 Nichicon Binary Chip Capacitors Product and Services
 - 8.16.4 Nichicon Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.16.5 Nichicon Recent Developments/Updates
 - 8.16.6 Nichicon Competitive Strengths & Weaknesses
- 8.17 Nippon Chemi-Con

- 8.17.1 Nippon Chemi-Con Details
- 8.17.2 Nippon Chemi-Con Major Business
- 8.17.3 Nippon Chemi-Con Binary Chip Capacitors Product and Services
- 8.17.4 Nippon Chemi-Con Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.17.5 Nippon Chemi-Con Recent Developments/Updates
- 8.17.6 Nippon Chemi-Con Competitive Strengths & Weaknesses
- 8.18 Samwha Capacitor
 - 8.18.1 Samwha Capacitor Details
 - 8.18.2 Samwha Capacitor Major Business
 - 8.18.3 Samwha Capacitor Binary Chip Capacitors Product and Services
 - 8.18.4 Samwha Capacitor Binary Chip Capacitors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.18.5 Samwha Capacitor Recent Developments/Updates
 - 8.18.6 Samwha Capacitor Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Binary Chip Capacitors Industry Chain
- 9.2 Binary Chip Capacitors Upstream Analysis
 - 9.2.1 Binary Chip Capacitors Core Raw Materials
 - 9.2.2 Main Manufacturers of Binary Chip Capacitors Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 Binary Chip Capacitors Production Mode
- 9.6 Binary Chip Capacitors Procurement Model
- 9.7 Binary Chip Capacitors Industry Sales Model and Sales Channels
 - 9.7.1 Binary Chip Capacitors Sales Model
 - 9.7.2 Binary Chip Capacitors Typical Distributors

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 Binary Chip Capacitors Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Binary Chip Capacitors Production Value by Region (2021-2026) & (USD Million)

Table 3. World Binary Chip Capacitors Production Value by Region (2027-2032) & (USD Million)

Table 4. World Binary Chip Capacitors Production Value Market Share by Region (2021-2026)

Table 5. World Binary Chip Capacitors Production Value Market Share by Region (2027-2032)

Table 6. World Binary Chip Capacitors Production by Region (2021-2026) & (Million Units)

Table 7. World Binary Chip Capacitors Production by Region (2027-2032) & (Million Units)

Table 8. World Binary Chip Capacitors Production Market Share by Region (2021-2026)

Table 9. World Binary Chip Capacitors Production Market Share by Region (2027-2032)

Table 10. World Binary Chip Capacitors Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Binary Chip Capacitors Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Binary Chip Capacitors Major Market Trends

Table 13. World Binary Chip Capacitors Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Binary Chip Capacitors Consumption by Region (2021-2026) & (Million Units)

Table 15. World Binary Chip Capacitors Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Binary Chip Capacitors Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Binary Chip Capacitors Producers in 2025

Table 18. World Binary Chip Capacitors Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Binary Chip Capacitors Producers in 2025

Table 20. World Binary Chip Capacitors Average Price by Manufacturer (2021-2026) &

(US\$/Unit)

Table 21. Global Binary Chip Capacitors Company Evaluation Quadrant

Table 22. World Binary Chip Capacitors Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Binary Chip Capacitors Production Site of Key Manufacturer

Table 24. Binary Chip Capacitors Market: Company Product Type Footprint

Table 25. Binary Chip Capacitors Market: Company Product Application Footprint

Table 26. Binary Chip Capacitors Competitive Factors

Table 27. Binary Chip Capacitors New Entrant and Capacity Expansion Plans

Table 28. Binary Chip Capacitors Mergers & Acquisitions Activity

Table 29. United States VS China Binary Chip Capacitors Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Binary Chip Capacitors Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China Binary Chip Capacitors Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Binary Chip Capacitors Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Binary Chip Capacitors Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Binary Chip Capacitors Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers Binary Chip Capacitors Production Market Share (2021-2026)

Table 37. China Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Binary Chip Capacitors Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Binary Chip Capacitors Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Binary Chip Capacitors Production, (2021-2026) & (Million Units)

Table 41. China Based Manufacturers Binary Chip Capacitors Production Market Share (2021-2026)

Table 42. Rest of World Based Binary Chip Capacitors Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Binary Chip Capacitors Production Value,

(2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Binary Chip Capacitors Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Binary Chip Capacitors Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Binary Chip Capacitors Production Market Share (2021-2026)

Table 47. World Binary Chip Capacitors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Binary Chip Capacitors Production by Type (2021-2026) & (Million Units)

Table 49. World Binary Chip Capacitors Production by Type (2027-2032) & (Million Units)

Table 50. World Binary Chip Capacitors Production Value by Type (2021-2026) & (USD Million)

Table 51. World Binary Chip Capacitors Production Value by Type (2027-2032) & (USD Million)

Table 52. World Binary Chip Capacitors Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Binary Chip Capacitors Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Binary Chip Capacitors Production Value by Capacitance Range, (USD Million), 2021 & 2025 & 2032

Table 55. World Binary Chip Capacitors Production by Capacitance Range (2021-2026) & (Million Units)

Table 56. World Binary Chip Capacitors Production by Capacitance Range (2027-2032) & (Million Units)

Table 57. World Binary Chip Capacitors Production Value by Capacitance Range (2021-2026) & (USD Million)

Table 58. World Binary Chip Capacitors Production Value by Capacitance Range (2027-2032) & (USD Million)

Table 59. World Binary Chip Capacitors Average Price by Capacitance Range (2021-2026) & (US\$/Unit)

Table 60. World Binary Chip Capacitors Average Price by Capacitance Range (2027-2032) & (US\$/Unit)

Table 61. World Binary Chip Capacitors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Binary Chip Capacitors Production by Application (2021-2026) & (Million Units)

Table 63. World Binary Chip Capacitors Production by Application (2027-2032) & (Million Units)

Table 64. World Binary Chip Capacitors Production Value by Application (2021-2026) & (USD Million)

Table 65. World Binary Chip Capacitors Production Value by Application (2027-2032) & (USD Million)

Table 66. World Binary Chip Capacitors Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World Binary Chip Capacitors Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. YAGEO Group Basic Information, Manufacturing Base and Competitors

Table 69. YAGEO Group Major Business

Table 70. YAGEO Group Binary Chip Capacitors Product and Services

Table 71. YAGEO Group Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. YAGEO Group Recent Developments/Updates

Table 73. YAGEO Group Competitive Strengths & Weaknesses

Table 74. Walsin Technology Basic Information, Manufacturing Base and Competitors

Table 75. Walsin Technology Major Business

Table 76. Walsin Technology Binary Chip Capacitors Product and Services

Table 77. Walsin Technology Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Walsin Technology Recent Developments/Updates

Table 79. Walsin Technology Competitive Strengths & Weaknesses

Table 80. Holy Stone Enterprise Basic Information, Manufacturing Base and Competitors

Table 81. Holy Stone Enterprise Major Business

Table 82. Holy Stone Enterprise Binary Chip Capacitors Product and Services

Table 83. Holy Stone Enterprise Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Holy Stone Enterprise Recent Developments/Updates

Table 85. Holy Stone Enterprise Competitive Strengths & Weaknesses

Table 86. Fenghua Advanced Technology Basic Information, Manufacturing Base and Competitors

Table 87. Fenghua Advanced Technology Major Business

Table 88. Fenghua Advanced Technology Binary Chip Capacitors Product and Services

Table 89. Fenghua Advanced Technology Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Fenghua Advanced Technology Recent Developments/Updates

Table 91. Fenghua Advanced Technology Competitive Strengths & Weaknesses

Table 92. Sunlord Electronics Basic Information, Manufacturing Base and Competitors

Table 93. Sunlord Electronics Major Business

Table 94. Sunlord Electronics Binary Chip Capacitors Product and Services

Table 95. Sunlord Electronics Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. Sunlord Electronics Recent Developments/Updates

Table 97. Sunlord Electronics Competitive Strengths & Weaknesses

Table 98. Torch Electron Basic Information, Manufacturing Base and Competitors

Table 99. Torch Electron Major Business

Table 100. Torch Electron Binary Chip Capacitors Product and Services

Table 101. Torch Electron Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Torch Electron Recent Developments/Updates

Table 103. Torch Electron Competitive Strengths & Weaknesses

Table 104. TDK Corporation Basic Information, Manufacturing Base and Competitors

Table 105. TDK Corporation Major Business

Table 106. TDK Corporation Binary Chip Capacitors Product and Services

Table 107. TDK Corporation Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. TDK Corporation Recent Developments/Updates

Table 109. TDK Corporation Competitive Strengths & Weaknesses

Table 110. Murata Manufacturing Basic Information, Manufacturing Base and Competitors

Table 111. Murata Manufacturing Major Business

Table 112. Murata Manufacturing Binary Chip Capacitors Product and Services

Table 113. Murata Manufacturing Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Murata Manufacturing Recent Developments/Updates

Table 115. Murata Manufacturing Competitive Strengths & Weaknesses

Table 116. Samsung Basic Information, Manufacturing Base and Competitors

- Table 117. Samsung Major Business
- Table 118. Samsung Binary Chip Capacitors Product and Services
- Table 119. Samsung Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. Samsung Recent Developments/Updates
- Table 121. Samsung Competitive Strengths & Weaknesses
- Table 122. Taiyo Yuden Basic Information, Manufacturing Base and Competitors
- Table 123. Taiyo Yuden Major Business
- Table 124. Taiyo Yuden Binary Chip Capacitors Product and Services
- Table 125. Taiyo Yuden Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Taiyo Yuden Recent Developments/Updates
- Table 127. Taiyo Yuden Competitive Strengths & Weaknesses
- Table 128. Kyocera AVX Basic Information, Manufacturing Base and Competitors
- Table 129. Kyocera AVX Major Business
- Table 130. Kyocera AVX Binary Chip Capacitors Product and Services
- Table 131. Kyocera AVX Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 132. Kyocera AVX Recent Developments/Updates
- Table 133. Kyocera AVX Competitive Strengths & Weaknesses
- Table 134. Vishay Intertechnology Basic Information, Manufacturing Base and Competitors
- Table 135. Vishay Intertechnology Major Business
- Table 136. Vishay Intertechnology Binary Chip Capacitors Product and Services
- Table 137. Vishay Intertechnology Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Vishay Intertechnology Recent Developments/Updates
- Table 139. Vishay Intertechnology Competitive Strengths & Weaknesses
- Table 140. Panasonic Basic Information, Manufacturing Base and Competitors
- Table 141. Panasonic Major Business
- Table 142. Panasonic Binary Chip Capacitors Product and Services
- Table 143. Panasonic Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 144. Panasonic Recent Developments/Updates

Table 145. Panasonic Competitive Strengths & Weaknesses

Table 146. Johanson Technology Basic Information, Manufacturing Base and Competitors

Table 147. Johanson Technology Major Business

Table 148. Johanson Technology Binary Chip Capacitors Product and Services

Table 149. Johanson Technology Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Johanson Technology Recent Developments/Updates

Table 151. Johanson Technology Competitive Strengths & Weaknesses

Table 152. Rohm Semiconductor Basic Information, Manufacturing Base and Competitors

Table 153. Rohm Semiconductor Major Business

Table 154. Rohm Semiconductor Binary Chip Capacitors Product and Services

Table 155. Rohm Semiconductor Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. Rohm Semiconductor Recent Developments/Updates

Table 157. Rohm Semiconductor Competitive Strengths & Weaknesses

Table 158. Nichicon Basic Information, Manufacturing Base and Competitors

Table 159. Nichicon Major Business

Table 160. Nichicon Binary Chip Capacitors Product and Services

Table 161. Nichicon Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 162. Nichicon Recent Developments/Updates

Table 163. Nichicon Competitive Strengths & Weaknesses

Table 164. Nippon Chemi-Con Basic Information, Manufacturing Base and Competitors

Table 165. Nippon Chemi-Con Major Business

Table 166. Nippon Chemi-Con Binary Chip Capacitors Product and Services

Table 167. Nippon Chemi-Con Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Nippon Chemi-Con Recent Developments/Updates

Table 169. Nippon Chemi-Con Competitive Strengths & Weaknesses

Table 170. Samwha Capacitor Basic Information, Manufacturing Base and Competitors

Table 171. Samwha Capacitor Major Business

Table 172. Samwha Capacitor Binary Chip Capacitors Product and Services

Table 173. Samwha Capacitor Binary Chip Capacitors Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 174. Samwha Capacitor Recent Developments/Updates

Table 175. Samwha Capacitor Competitive Strengths & Weaknesses

Table 176. Global Key Players of Binary Chip Capacitors Upstream (Raw Materials)

Table 177. Global Binary Chip Capacitors Typical Customers

Table 178. Binary Chip Capacitors Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Binary Chip Capacitors Picture

Figure 2. World Binary Chip Capacitors Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Binary Chip Capacitors Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 5. World Binary Chip Capacitors Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Binary Chip Capacitors Production Value Market Share by Region (2021-2032)

Figure 7. World Binary Chip Capacitors Production Market Share by Region (2021-2032)

Figure 8. North America Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 9. Europe Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 10. China Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 11. Japan Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 12. South Korea Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 13. Southeast Asia Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 14. China Taiwan Binary Chip Capacitors Production (2021-2032) & (Million Units)

Figure 15. Binary Chip Capacitors Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 18. World Binary Chip Capacitors Consumption Market Share by Region (2021-2032)

Figure 19. United States Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 20. China Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 21. Europe Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 22. Japan Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 23. South Korea Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 24. ASEAN Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 25. India Binary Chip Capacitors Consumption (2021-2032) & (Million Units)

Figure 26. Producer Shipments of Binary Chip Capacitors by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for Binary Chip Capacitors Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Binary Chip Capacitors Markets in 2025

Figure 29. United States VS China: Binary Chip Capacitors Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Binary Chip Capacitors Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Binary Chip Capacitors Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Binary Chip Capacitors Production Market Share 2025

Figure 33. China Based Manufacturers Binary Chip Capacitors Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Binary Chip Capacitors Production Market Share 2025

Figure 35. World Binary Chip Capacitors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Binary Chip Capacitors Production Value Market Share by Type in 2025

Figure 37. Ceramic Capacitors

Figure 38. Silicon Capacitors

Figure 39. Glass Capacitors

Figure 40. Polymer Capacitors

Figure 41. Others

Figure 42. World Binary Chip Capacitors Production Market Share by Type (2021-2032)

Figure 43. World Binary Chip Capacitors Production Value Market Share by Type (2021-2032)

Figure 44. World Binary Chip Capacitors Average Price by Type (2021-2032) & (US\$/Unit)

Figure 45. World Binary Chip Capacitors Production Value by Capacitance Range, (USD Million), 2021 & 2025 & 2032

Figure 46. World Binary Chip Capacitors Production Value Market Share by Capacitance Range in 2025

Figure 47. 1 μ F

Figure 51. World Binary Chip Capacitors Production Market Share by Capacitance Range (2021-2032)

Figure 52. World Binary Chip Capacitors Production Value Market Share by Capacitance Range (2021-2032)

Figure 53. World Binary Chip Capacitors Average Price by Capacitance Range (2021-2032) & (US\$/Unit)

Figure 54. World Binary Chip Capacitors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Binary Chip Capacitors Production Value Market Share by Application in 2025

Figure 56. Consumer Electronics

Figure 57. Automotive Electronics

Figure 58. Industrial Electronics

Figure 59. Telecom Networks

Figure 60. Others

Figure 61. World Binary Chip Capacitors Production Market Share by Application (2021-2032)

Figure 62. World Binary Chip Capacitors Production Value Market Share by Application (2021-2032)

Figure 63. World Binary Chip Capacitors Average Price by Application (2021-2032) & (US\$/Unit)

Figure 64. Binary Chip Capacitors Industry Chain

Figure 65. Binary Chip Capacitors Procurement Model

Figure 66. Binary Chip Capacitors Sales Model

Figure 67. Binary Chip Capacitors Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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