

Global Silicon-Based Capacitor Market Growth 2024-2030

<https://marketpublishers.com/r/GE14C6201580EN.html>

Date: April 2024

Pages: 112

Price: US\$ 3,660.00 (Single User License)

ID: GE14C6201580EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Silicon-Based Capacitor market size is projected to grow from US\$ 726.4 million in 2023 to US\$ 1210.8 million in 2030; it is expected to grow at a CAGR of 7.6% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Silicon-Based Capacitor Industry Forecast” looks at past sales and reviews total world Silicon-Based Capacitor sales in 2023, providing a comprehensive analysis by region and market sector of projected Silicon-Based Capacitor sales for 2024 through 2030. With Silicon-Based Capacitor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon-Based Capacitor industry.

This Insight Report provides a comprehensive analysis of the global Silicon-Based Capacitor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Silicon-Based Capacitor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Silicon-Based Capacitor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon-Based Capacitor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up

qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Silicon-Based Capacitor.

Increasing Demand for Electronic Devices: The growing adoption of electronic devices across various industries, including consumer electronics, automotive, telecommunications, and industrial automation, is driving the demand for capacitors. Silicon-based capacitors, known for their reliability, high performance, and stability, are well-positioned to meet the needs of these applications.

Miniaturization and Integration: With the trend toward miniaturization and integration of electronic components, there is a growing demand for compact and high-density capacitors that can fit into smaller PCB (Printed Circuit Board) layouts and contribute to space-saving designs. Silicon-based capacitors offer advantages in terms of size, weight, and performance compared to traditional ceramic or electrolytic capacitors.

Rise of Electric Vehicles (EVs) and Renewable Energy: The increasing adoption of electric vehicles (EVs) and renewable energy systems, such as solar and wind power, is driving the demand for capacitors in power electronics applications. Silicon-based capacitors play a critical role in energy storage, power conversion, and voltage regulation in EVs, energy storage systems, and renewable energy inverters.

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon-Based Capacitor market by product type, application, key manufacturers and key regions and countries.

Segmentation by type

MOS Capacitors

MIS Capacitors

Deep-trench Silicon Capacitors

Segmentation by application

Communication System

Consumer Electronics

Automobile

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Murata Manufacturing Co., Ltd.

MACOM

Skyworks

KYOCERA AVX

Vishay Intertechnology

Empower Semiconductor

Microchip technology

ROHM Semiconductor

TSMC

Elohim

Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon-Based Capacitor market?

What factors are driving Silicon-Based Capacitor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Silicon-Based Capacitor market opportunities vary by end market size?

How does Silicon-Based Capacitor break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Silicon-Based Capacitor Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Silicon-Based Capacitor by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Silicon-Based Capacitor by Country/Region, 2019, 2023 & 2030
- 2.2 Silicon-Based Capacitor Segment by Type
 - 2.2.1 MOS Capacitors
 - 2.2.2 MIS Capacitors
 - 2.2.3 Deep-trench Silicon Capacitors
- 2.3 Silicon-Based Capacitor Sales by Type
 - 2.3.1 Global Silicon-Based Capacitor Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Silicon-Based Capacitor Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Silicon-Based Capacitor Sale Price by Type (2019-2024)
- 2.4 Silicon-Based Capacitor Segment by Application
 - 2.4.1 Communication System
 - 2.4.2 Consumer Electronics
 - 2.4.3 Automobile
 - 2.4.4 Other
- 2.5 Silicon-Based Capacitor Sales by Application
 - 2.5.1 Global Silicon-Based Capacitor Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Silicon-Based Capacitor Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global Silicon-Based Capacitor Sale Price by Application (2019-2024)

3 GLOBAL SILICON-BASED CAPACITOR BY COMPANY

- 3.1 Global Silicon-Based Capacitor Breakdown Data by Company
 - 3.1.1 Global Silicon-Based Capacitor Annual Sales by Company (2019-2024)
 - 3.1.2 Global Silicon-Based Capacitor Sales Market Share by Company (2019-2024)
- 3.2 Global Silicon-Based Capacitor Annual Revenue by Company (2019-2024)
 - 3.2.1 Global Silicon-Based Capacitor Revenue by Company (2019-2024)
 - 3.2.2 Global Silicon-Based Capacitor Revenue Market Share by Company (2019-2024)
- 3.3 Global Silicon-Based Capacitor Sale Price by Company
- 3.4 Key Manufacturers Silicon-Based Capacitor Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Silicon-Based Capacitor Product Location Distribution
 - 3.4.2 Players Silicon-Based Capacitor Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR SILICON-BASED CAPACITOR BY GEOGRAPHIC REGION

- 4.1 World Historic Silicon-Based Capacitor Market Size by Geographic Region (2019-2024)
 - 4.1.1 Global Silicon-Based Capacitor Annual Sales by Geographic Region (2019-2024)
 - 4.1.2 Global Silicon-Based Capacitor Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic Silicon-Based Capacitor Market Size by Country/Region (2019-2024)
 - 4.2.1 Global Silicon-Based Capacitor Annual Sales by Country/Region (2019-2024)
 - 4.2.2 Global Silicon-Based Capacitor Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Silicon-Based Capacitor Sales Growth
- 4.4 APAC Silicon-Based Capacitor Sales Growth
- 4.5 Europe Silicon-Based Capacitor Sales Growth
- 4.6 Middle East & Africa Silicon-Based Capacitor Sales Growth

5 AMERICAS

5.1 Americas Silicon-Based Capacitor Sales by Country

5.1.1 Americas Silicon-Based Capacitor Sales by Country (2019-2024)

5.1.2 Americas Silicon-Based Capacitor Revenue by Country (2019-2024)

5.2 Americas Silicon-Based Capacitor Sales by Type

5.3 Americas Silicon-Based Capacitor Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Silicon-Based Capacitor Sales by Region

6.1.1 APAC Silicon-Based Capacitor Sales by Region (2019-2024)

6.1.2 APAC Silicon-Based Capacitor Revenue by Region (2019-2024)

6.2 APAC Silicon-Based Capacitor Sales by Type

6.3 APAC Silicon-Based Capacitor Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Silicon-Based Capacitor by Country

7.1.1 Europe Silicon-Based Capacitor Sales by Country (2019-2024)

7.1.2 Europe Silicon-Based Capacitor Revenue by Country (2019-2024)

7.2 Europe Silicon-Based Capacitor Sales by Type

7.3 Europe Silicon-Based Capacitor Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Silicon-Based Capacitor by Country

8.1.1 Middle East & Africa Silicon-Based Capacitor Sales by Country (2019-2024)

8.1.2 Middle East & Africa Silicon-Based Capacitor Revenue by Country (2019-2024)

8.2 Middle East & Africa Silicon-Based Capacitor Sales by Type

8.3 Middle East & Africa Silicon-Based Capacitor Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Silicon-Based Capacitor

10.3 Manufacturing Process Analysis of Silicon-Based Capacitor

10.4 Industry Chain Structure of Silicon-Based Capacitor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Silicon-Based Capacitor Distributors

11.3 Silicon-Based Capacitor Customer

12 WORLD FORECAST REVIEW FOR SILICON-BASED CAPACITOR BY GEOGRAPHIC REGION

12.1 Global Silicon-Based Capacitor Market Size Forecast by Region

12.1.1 Global Silicon-Based Capacitor Forecast by Region (2025-2030)

12.1.2 Global Silicon-Based Capacitor Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Silicon-Based Capacitor Forecast by Type

12.7 Global Silicon-Based Capacitor Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Murata Manufacturing Co., Ltd.

13.1.1 Murata Manufacturing Co., Ltd. Company Information

13.1.2 Murata Manufacturing Co., Ltd. Silicon-Based Capacitor Product Portfolios and Specifications

13.1.3 Murata Manufacturing Co., Ltd. Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Murata Manufacturing Co., Ltd. Main Business Overview

13.1.5 Murata Manufacturing Co., Ltd. Latest Developments

13.2 MACOM

13.2.1 MACOM Company Information

13.2.2 MACOM Silicon-Based Capacitor Product Portfolios and Specifications

13.2.3 MACOM Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 MACOM Main Business Overview

13.2.5 MACOM Latest Developments

13.3 Skyworks

13.3.1 Skyworks Company Information

13.3.2 Skyworks Silicon-Based Capacitor Product Portfolios and Specifications

13.3.3 Skyworks Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Skyworks Main Business Overview

13.3.5 Skyworks Latest Developments

13.4 KYOCERA AVX

13.4.1 KYOCERA AVX Company Information

13.4.2 KYOCERA AVX Silicon-Based Capacitor Product Portfolios and Specifications

13.4.3 KYOCERA AVX Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 KYOCERA AVX Main Business Overview

- 13.4.5 KYOCERA AVX Latest Developments
- 13.5 Vishay Intertechnology
 - 13.5.1 Vishay Intertechnology Company Information
 - 13.5.2 Vishay Intertechnology Silicon-Based Capacitor Product Portfolios and Specifications
 - 13.5.3 Vishay Intertechnology Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.5.4 Vishay Intertechnology Main Business Overview
 - 13.5.5 Vishay Intertechnology Latest Developments
- 13.6 Empower Semiconductor
 - 13.6.1 Empower Semiconductor Company Information
 - 13.6.2 Empower Semiconductor Silicon-Based Capacitor Product Portfolios and Specifications
 - 13.6.3 Empower Semiconductor Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Empower Semiconductor Main Business Overview
 - 13.6.5 Empower Semiconductor Latest Developments
- 13.7 Microchip technology
 - 13.7.1 Microchip technology Company Information
 - 13.7.2 Microchip technology Silicon-Based Capacitor Product Portfolios and Specifications
 - 13.7.3 Microchip technology Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Microchip technology Main Business Overview
 - 13.7.5 Microchip technology Latest Developments
- 13.8 ROHM Semiconductor
 - 13.8.1 ROHM Semiconductor Company Information
 - 13.8.2 ROHM Semiconductor Silicon-Based Capacitor Product Portfolios and Specifications
 - 13.8.3 ROHM Semiconductor Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 ROHM Semiconductor Main Business Overview
 - 13.8.5 ROHM Semiconductor Latest Developments
- 13.9 TSMC
 - 13.9.1 TSMC Company Information
 - 13.9.2 TSMC Silicon-Based Capacitor Product Portfolios and Specifications
 - 13.9.3 TSMC Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 TSMC Main Business Overview

13.9.5 TSMC Latest Developments

13.10 Elohim

13.10.1 Elohim Company Information

13.10.2 Elohim Silicon-Based Capacitor Product Portfolios and Specifications

13.10.3 Elohim Silicon-Based Capacitor Sales, Revenue, Price and Gross Margin
(2019-2024)

13.10.4 Elohim Main Business Overview

13.10.5 Elohim Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Silicon-Based Capacitor Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Silicon-Based Capacitor Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of MOS Capacitors

Table 4. Major Players of MIS Capacitors

Table 5. Major Players of Deep-trench Silicon Capacitors

Table 6. Global Silicon-Based Capacitor Sales by Type (2019-2024) & (K Units)

Table 7. Global Silicon-Based Capacitor Sales Market Share by Type (2019-2024)

Table 8. Global Silicon-Based Capacitor Revenue by Type (2019-2024) & (\$ million)

Table 9. Global Silicon-Based Capacitor Revenue Market Share by Type (2019-2024)

Table 10. Global Silicon-Based Capacitor Sale Price by Type (2019-2024) & (US\$/Unit)

Table 11. Global Silicon-Based Capacitor Sales by Application (2019-2024) & (K Units)

Table 12. Global Silicon-Based Capacitor Sales Market Share by Application (2019-2024)

Table 13. Global Silicon-Based Capacitor Revenue by Application (2019-2024)

Table 14. Global Silicon-Based Capacitor Revenue Market Share by Application (2019-2024)

Table 15. Global Silicon-Based Capacitor Sale Price by Application (2019-2024) & (US\$/Unit)

Table 16. Global Silicon-Based Capacitor Sales by Company (2019-2024) & (K Units)

Table 17. Global Silicon-Based Capacitor Sales Market Share by Company (2019-2024)

Table 18. Global Silicon-Based Capacitor Revenue by Company (2019-2024) (\$ Millions)

Table 19. Global Silicon-Based Capacitor Revenue Market Share by Company (2019-2024)

Table 20. Global Silicon-Based Capacitor Sale Price by Company (2019-2024) & (US\$/Unit)

Table 21. Key Manufacturers Silicon-Based Capacitor Producing Area Distribution and Sales Area

Table 22. Players Silicon-Based Capacitor Products Offered

Table 23. Silicon-Based Capacitor Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Silicon-Based Capacitor Sales by Geographic Region (2019-2024) & (K Units)

Table 27. Global Silicon-Based Capacitor Sales Market Share Geographic Region (2019-2024)

Table 28. Global Silicon-Based Capacitor Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 29. Global Silicon-Based Capacitor Revenue Market Share by Geographic Region (2019-2024)

Table 30. Global Silicon-Based Capacitor Sales by Country/Region (2019-2024) & (K Units)

Table 31. Global Silicon-Based Capacitor Sales Market Share by Country/Region (2019-2024)

Table 32. Global Silicon-Based Capacitor Revenue by Country/Region (2019-2024) & (\$ millions)

Table 33. Global Silicon-Based Capacitor Revenue Market Share by Country/Region (2019-2024)

Table 34. Americas Silicon-Based Capacitor Sales by Country (2019-2024) & (K Units)

Table 35. Americas Silicon-Based Capacitor Sales Market Share by Country (2019-2024)

Table 36. Americas Silicon-Based Capacitor Revenue by Country (2019-2024) & (\$ Millions)

Table 37. Americas Silicon-Based Capacitor Revenue Market Share by Country (2019-2024)

Table 38. Americas Silicon-Based Capacitor Sales by Type (2019-2024) & (K Units)

Table 39. Americas Silicon-Based Capacitor Sales by Application (2019-2024) & (K Units)

Table 40. APAC Silicon-Based Capacitor Sales by Region (2019-2024) & (K Units)

Table 41. APAC Silicon-Based Capacitor Sales Market Share by Region (2019-2024)

Table 42. APAC Silicon-Based Capacitor Revenue by Region (2019-2024) & (\$ Millions)

Table 43. APAC Silicon-Based Capacitor Revenue Market Share by Region (2019-2024)

Table 44. APAC Silicon-Based Capacitor Sales by Type (2019-2024) & (K Units)

Table 45. APAC Silicon-Based Capacitor Sales by Application (2019-2024) & (K Units)

Table 46. Europe Silicon-Based Capacitor Sales by Country (2019-2024) & (K Units)

Table 47. Europe Silicon-Based Capacitor Sales Market Share by Country (2019-2024)

Table 48. Europe Silicon-Based Capacitor Revenue by Country (2019-2024) & (\$ Millions)

Table 49. Europe Silicon-Based Capacitor Revenue Market Share by Country (2019-2024)

Table 50. Europe Silicon-Based Capacitor Sales by Type (2019-2024) & (K Units)
Table 51. Europe Silicon-Based Capacitor Sales by Application (2019-2024) & (K Units)
Table 52. Middle East & Africa Silicon-Based Capacitor Sales by Country (2019-2024) & (K Units)
Table 53. Middle East & Africa Silicon-Based Capacitor Sales Market Share by Country (2019-2024)
Table 54. Middle East & Africa Silicon-Based Capacitor Revenue by Country (2019-2024) & (\$ Millions)
Table 55. Middle East & Africa Silicon-Based Capacitor Revenue Market Share by Country (2019-2024)
Table 56. Middle East & Africa Silicon-Based Capacitor Sales by Type (2019-2024) & (K Units)
Table 57. Middle East & Africa Silicon-Based Capacitor Sales by Application (2019-2024) & (K Units)
Table 58. Key Market Drivers & Growth Opportunities of Silicon-Based Capacitor
Table 59. Key Market Challenges & Risks of Silicon-Based Capacitor
Table 60. Key Industry Trends of Silicon-Based Capacitor
Table 61. Silicon-Based Capacitor Raw Material
Table 62. Key Suppliers of Raw Materials
Table 63. Silicon-Based Capacitor Distributors List
Table 64. Silicon-Based Capacitor Customer List
Table 65. Global Silicon-Based Capacitor Sales Forecast by Region (2025-2030) & (K Units)
Table 66. Global Silicon-Based Capacitor Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 67. Americas Silicon-Based Capacitor Sales Forecast by Country (2025-2030) & (K Units)
Table 68. Americas Silicon-Based Capacitor Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 69. APAC Silicon-Based Capacitor Sales Forecast by Region (2025-2030) & (K Units)
Table 70. APAC Silicon-Based Capacitor Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 71. Europe Silicon-Based Capacitor Sales Forecast by Country (2025-2030) & (K Units)
Table 72. Europe Silicon-Based Capacitor Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 73. Middle East & Africa Silicon-Based Capacitor Sales Forecast by Country (2025-2030) & (K Units)

Table 74. Middle East & Africa Silicon-Based Capacitor Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 75. Global Silicon-Based Capacitor Sales Forecast by Type (2025-2030) & (K Units)

Table 76. Global Silicon-Based Capacitor Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 77. Global Silicon-Based Capacitor Sales Forecast by Application (2025-2030) & (K Units)

Table 78. Global Silicon-Based Capacitor Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 79. Murata Manufacturing Co., Ltd. Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 80. Murata Manufacturing Co., Ltd. Silicon-Based Capacitor Product Portfolios and Specifications

Table 81. Murata Manufacturing Co., Ltd. Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 82. Murata Manufacturing Co., Ltd. Main Business

Table 83. Murata Manufacturing Co., Ltd. Latest Developments

Table 84. MACOM Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 85. MACOM Silicon-Based Capacitor Product Portfolios and Specifications

Table 86. MACOM Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 87. MACOM Main Business

Table 88. MACOM Latest Developments

Table 89. Skyworks Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 90. Skyworks Silicon-Based Capacitor Product Portfolios and Specifications

Table 91. Skyworks Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 92. Skyworks Main Business

Table 93. Skyworks Latest Developments

Table 94. KYOCERA AVX Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 95. KYOCERA AVX Silicon-Based Capacitor Product Portfolios and Specifications

Table 96. KYOCERA AVX Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 97. KYOCERA AVX Main Business

Table 98. KYOCERA AVX Latest Developments

Table 99. Vishay Intertechnology Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 100. Vishay Intertechnology Silicon-Based Capacitor Product Portfolios and Specifications

Table 101. Vishay Intertechnology Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 102. Vishay Intertechnology Main Business

Table 103. Vishay Intertechnology Latest Developments

Table 104. Empower Semiconductor Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 105. Empower Semiconductor Silicon-Based Capacitor Product Portfolios and Specifications

Table 106. Empower Semiconductor Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 107. Empower Semiconductor Main Business

Table 108. Empower Semiconductor Latest Developments

Table 109. Microchip technology Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 110. Microchip technology Silicon-Based Capacitor Product Portfolios and Specifications

Table 111. Microchip technology Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 112. Microchip technology Main Business

Table 113. Microchip technology Latest Developments

Table 114. ROHM Semiconductor Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 115. ROHM Semiconductor Silicon-Based Capacitor Product Portfolios and Specifications

Table 116. ROHM Semiconductor Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 117. ROHM Semiconductor Main Business

Table 118. ROHM Semiconductor Latest Developments

Table 119. TSMC Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 120. TSMC Silicon-Based Capacitor Product Portfolios and Specifications

Table 121. TSMC Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 122. TSMC Main Business

Table 123. TSMC Latest Developments

Table 124. Elohim Basic Information, Silicon-Based Capacitor Manufacturing Base, Sales Area and Its Competitors

Table 125. Elohim Silicon-Based Capacitor Product Portfolios and Specifications

Table 126. Elohim Silicon-Based Capacitor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 127. Elohim Main Business

Table 128. Elohim Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Silicon-Based Capacitor
- Figure 2. Silicon-Based Capacitor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Silicon-Based Capacitor Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Silicon-Based Capacitor Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Silicon-Based Capacitor Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of MOS Capacitors
- Figure 10. Product Picture of MIS Capacitors
- Figure 11. Product Picture of Deep-trench Silicon Capacitors
- Figure 12. Global Silicon-Based Capacitor Sales Market Share by Type in 2023
- Figure 13. Global Silicon-Based Capacitor Revenue Market Share by Type (2019-2024)
- Figure 14. Silicon-Based Capacitor Consumed in Communication System
- Figure 15. Global Silicon-Based Capacitor Market: Communication System (2019-2024) & (K Units)
- Figure 16. Silicon-Based Capacitor Consumed in Consumer Electronics
- Figure 17. Global Silicon-Based Capacitor Market: Consumer Electronics (2019-2024) & (K Units)
- Figure 18. Silicon-Based Capacitor Consumed in Automobile
- Figure 19. Global Silicon-Based Capacitor Market: Automobile (2019-2024) & (K Units)
- Figure 20. Silicon-Based Capacitor Consumed in Other
- Figure 21. Global Silicon-Based Capacitor Market: Other (2019-2024) & (K Units)
- Figure 22. Global Silicon-Based Capacitor Sales Market Share by Application (2023)
- Figure 23. Global Silicon-Based Capacitor Revenue Market Share by Application in 2023
- Figure 24. Silicon-Based Capacitor Sales Market by Company in 2023 (K Units)
- Figure 25. Global Silicon-Based Capacitor Sales Market Share by Company in 2023
- Figure 26. Silicon-Based Capacitor Revenue Market by Company in 2023 (\$ Million)
- Figure 27. Global Silicon-Based Capacitor Revenue Market Share by Company in 2023
- Figure 28. Global Silicon-Based Capacitor Sales Market Share by Geographic Region (2019-2024)
- Figure 29. Global Silicon-Based Capacitor Revenue Market Share by Geographic Region in 2023
- Figure 30. Americas Silicon-Based Capacitor Sales 2019-2024 (K Units)

Figure 31. Americas Silicon-Based Capacitor Revenue 2019-2024 (\$ Millions)

Figure 32. APAC Silicon-Based Capacitor Sales 2019-2024 (K Units)

Figure 33. APAC Silicon-Based Capacitor Revenue 2019-2024 (\$ Millions)

Figure 34. Europe Silicon-Based Capacitor Sales 2019-2024 (K Units)

Figure 35. Europe Silicon-Based Capacitor Revenue 2019-2024 (\$ Millions)

Figure 36. Middle East & Africa Silicon-Based Capacitor Sales 2019-2024 (K Units)

Figure 37. Middle East & Africa Silicon-Based Capacitor Revenue 2019-2024 (\$ Millions)

Figure 38. Americas Silicon-Based Capacitor Sales Market Share by Country in 2023

Figure 39. Americas Silicon-Based Capacitor Revenue Market Share by Country in 2023

Figure 40. Americas Silicon-Based Capacitor Sales Market Share by Type (2019-2024)

Figure 41. Americas Silicon-Based Capacitor Sales Market Share by Application (2019-2024)

Figure 42. United States Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 43. Canada Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Mexico Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Brazil Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 46. APAC Silicon-Based Capacitor Sales Market Share by Region in 2023

Figure 47. APAC Silicon-Based Capacitor Revenue Market Share by Regions in 2023

Figure 48. APAC Silicon-Based Capacitor Sales Market Share by Type (2019-2024)

Figure 49. APAC Silicon-Based Capacitor Sales Market Share by Application (2019-2024)

Figure 50. China Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 51. Japan Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 52. South Korea Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 53. Southeast Asia Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 54. India Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 55. Australia Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 56. China Taiwan Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 57. Europe Silicon-Based Capacitor Sales Market Share by Country in 2023

Figure 58. Europe Silicon-Based Capacitor Revenue Market Share by Country in 2023

Figure 59. Europe Silicon-Based Capacitor Sales Market Share by Type (2019-2024)

Figure 60. Europe Silicon-Based Capacitor Sales Market Share by Application (2019-2024)

Figure 61. Germany Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 62. France Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 63. UK Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Italy Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Russia Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Middle East & Africa Silicon-Based Capacitor Sales Market Share by Country in 2023

Figure 67. Middle East & Africa Silicon-Based Capacitor Revenue Market Share by Country in 2023

Figure 68. Middle East & Africa Silicon-Based Capacitor Sales Market Share by Type (2019-2024)

Figure 69. Middle East & Africa Silicon-Based Capacitor Sales Market Share by Application (2019-2024)

Figure 70. Egypt Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 71. South Africa Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Israel Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Turkey Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 74. GCC Country Silicon-Based Capacitor Revenue Growth 2019-2024 (\$ Millions)

Figure 75. Manufacturing Cost Structure Analysis of Silicon-Based Capacitor in 2023

Figure 76. Manufacturing Process Analysis of Silicon-Based Capacitor

Figure 77. Industry Chain Structure of Silicon-Based Capacitor

Figure 78. Channels of Distribution

Figure 79. Global Silicon-Based Capacitor Sales Market Forecast by Region (2025-2030)

Figure 80. Global Silicon-Based Capacitor Revenue Market Share Forecast by Region (2025-2030)

Figure 81. Global Silicon-Based Capacitor Sales Market Share Forecast by Type (2025-2030)

Figure 82. Global Silicon-Based Capacitor Revenue Market Share Forecast by Type (2025-2030)

Figure 83. Global Silicon-Based Capacitor Sales Market Share Forecast by Application (2025-2030)

Figure 84. Global Silicon-Based Capacitor Revenue Market Share Forecast by Application (2025-2030)

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