

Global Silicon-based Integrated Passive Devices Market Growth 2025-2031

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Abstracts

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The global Silicon-based Integrated Passive Devices market size is predicted to grow from US\$ 1007 million in 2025 to US\$ 1662 million in 2031; it is expected to grow at a CAGR of 8.7% from 2025 to 2031.

Silicon-based integrated passive devices use the foundry process on the silicon substrate to etch different patterns by photolithography technology to form different devices, thereby realizing various passive components such as resistors, capacitors, inductors, filters, High-density integration of couplers, etc.

This IPD technology can bring the following benefits to electronic systems:

Saving board space

Better electrical performance

Lower cost

IP protection

Better product chain supply and reliability

At present, advanced silicon-based integrated passive device technology is mainly controlled by Japanese, European and American companies. Global leading companies include ST, Qorvo, Broadcom, Murata, AVX, Skyworks, ON Semiconductor, Johanson

Technology, Onchip Devices, Xpeedic. Production companies in China and other regions are small in scale and relatively weak in technological research and development. Most companies usually do not have their own core technology and generally adopt low-cost marketing to gain market share.

The main sales areas of silicon-based integrated passive devices are Asia Pacific and North America, which together account for approximately 84% of the global market share. The Asia-Pacific market also plays an important role in driving the development of the global market, thanks to the rapid growth of Japan, China and India.

LP Information, Inc. (LPI) ' newest research report, the "Silicon-based Integrated Passive Devices Industry Forecast" looks at past sales and reviews total world Silicon-based Integrated Passive Devices sales in 2024, providing a comprehensive analysis by region and market sector of projected Silicon-based Integrated Passive Devices sales for 2025 through 2031. With Silicon-based Integrated Passive Devices sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon-based Integrated Passive Devices industry.

This Insight Report provides a comprehensive analysis of the global Silicon-based Integrated Passive Devices 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 Integrated Passive Devices portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Silicon-based Integrated Passive Devices market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon-based Integrated Passive Devices 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 Integrated Passive Devices.

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

Segmentation by Type:

Digital & Mixed Signal IPD

RF IPD

ESD / EMI protection

Segmentation by Application:

Consumer Electronics

Industrial

Network and Server Equipment

Automotive

Medical and Life Sciences

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 analysing the company's coverage, product portfolio, its market penetration.

ST

Qorvo

Broadcom

Murata

AVX

Skyworks

ON Semiconductor

Johanson Technology

Onchip Devices

Xpeedic

Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon-based Integrated Passive Devices market?

What factors are driving Silicon-based Integrated Passive Devices market growth, globally and by region?

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

How do Silicon-based Integrated Passive Devices market opportunities vary by end market size?

How does Silicon-based Integrated Passive Devices break out by Type, by 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 Integrated Passive Devices Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Silicon-based Integrated Passive Devices by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Silicon-based Integrated Passive Devices by Country/Region, 2020, 2024 & 2031
- 2.2 Silicon-based Integrated Passive Devices Segment by Type
 - 2.2.1 Digital & Mixed Signal IPD
 - 2.2.2 RF IPD
 - 2.2.3 ESD / EMI protection
- 2.3 Silicon-based Integrated Passive Devices Sales by Type
 - 2.3.1 Global Silicon-based Integrated Passive Devices Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Silicon-based Integrated Passive Devices Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Silicon-based Integrated Passive Devices Sale Price by Type (2020-2025)
- 2.4 Silicon-based Integrated Passive Devices Segment by Application
 - 2.4.1 Consumer Electronics
 - 2.4.2 Industrial
 - 2.4.3 Network and Server Equipment
 - 2.4.4 Automotive
 - 2.4.5 Medical and Life Sciences
 - 2.4.6 Other

2.5 Silicon-based Integrated Passive Devices Sales by Application

2.5.1 Global Silicon-based Integrated Passive Devices Sale Market Share by Application (2020-2025)

2.5.2 Global Silicon-based Integrated Passive Devices Revenue and Market Share by Application (2020-2025)

2.5.3 Global Silicon-based Integrated Passive Devices Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Silicon-based Integrated Passive Devices Breakdown Data by Company

3.1.1 Global Silicon-based Integrated Passive Devices Annual Sales by Company (2020-2025)

3.1.2 Global Silicon-based Integrated Passive Devices Sales Market Share by Company (2020-2025)

3.2 Global Silicon-based Integrated Passive Devices Annual Revenue by Company (2020-2025)

3.2.1 Global Silicon-based Integrated Passive Devices Revenue by Company (2020-2025)

3.2.2 Global Silicon-based Integrated Passive Devices Revenue Market Share by Company (2020-2025)

3.3 Global Silicon-based Integrated Passive Devices Sale Price by Company

3.4 Key Manufacturers Silicon-based Integrated Passive Devices Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Silicon-based Integrated Passive Devices Product Location Distribution

3.4.2 Players Silicon-based Integrated Passive Devices Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR SILICON-BASED INTEGRATED PASSIVE DEVICES BY GEOGRAPHIC REGION

4.1 World Historic Silicon-based Integrated Passive Devices Market Size by Geographic Region (2020-2025)

4.1.1 Global Silicon-based Integrated Passive Devices Annual Sales by Geographic

Region (2020-2025)

- 4.1.2 Global Silicon-based Integrated Passive Devices Annual Revenue by Geographic Region (2020-2025)
- 4.2 World Historic Silicon-based Integrated Passive Devices Market Size by Country/Region (2020-2025)
 - 4.2.1 Global Silicon-based Integrated Passive Devices Annual Sales by Country/Region (2020-2025)
 - 4.2.2 Global Silicon-based Integrated Passive Devices Annual Revenue by Country/Region (2020-2025)
- 4.3 Americas Silicon-based Integrated Passive Devices Sales Growth
- 4.4 APAC Silicon-based Integrated Passive Devices Sales Growth
- 4.5 Europe Silicon-based Integrated Passive Devices Sales Growth
- 4.6 Middle East & Africa Silicon-based Integrated Passive Devices Sales Growth

5 AMERICAS

- 5.1 Americas Silicon-based Integrated Passive Devices Sales by Country
 - 5.1.1 Americas Silicon-based Integrated Passive Devices Sales by Country (2020-2025)
 - 5.1.2 Americas Silicon-based Integrated Passive Devices Revenue by Country (2020-2025)
- 5.2 Americas Silicon-based Integrated Passive Devices Sales by Type (2020-2025)
- 5.3 Americas Silicon-based Integrated Passive Devices Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Silicon-based Integrated Passive Devices Sales by Region
 - 6.1.1 APAC Silicon-based Integrated Passive Devices Sales by Region (2020-2025)
 - 6.1.2 APAC Silicon-based Integrated Passive Devices Revenue by Region (2020-2025)
- 6.2 APAC Silicon-based Integrated Passive Devices Sales by Type (2020-2025)
- 6.3 APAC Silicon-based Integrated Passive Devices Sales by Application (2020-2025)
- 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 Integrated Passive Devices by Country
 - 7.1.1 Europe Silicon-based Integrated Passive Devices Sales by Country (2020-2025)
 - 7.1.2 Europe Silicon-based Integrated Passive Devices Revenue by Country (2020-2025)
- 7.2 Europe Silicon-based Integrated Passive Devices Sales by Type (2020-2025)
- 7.3 Europe Silicon-based Integrated Passive Devices Sales by Application (2020-2025)
- 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 Integrated Passive Devices by Country
 - 8.1.1 Middle East & Africa Silicon-based Integrated Passive Devices Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Silicon-based Integrated Passive Devices Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Silicon-based Integrated Passive Devices Sales by Type (2020-2025)
- 8.3 Middle East & Africa Silicon-based Integrated Passive Devices Sales by Application (2020-2025)
- 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 Integrated Passive Devices

10.3 Manufacturing Process Analysis of Silicon-based Integrated Passive Devices

10.4 Industry Chain Structure of Silicon-based Integrated Passive Devices

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Silicon-based Integrated Passive Devices Distributors

11.3 Silicon-based Integrated Passive Devices Customer

12 WORLD FORECAST REVIEW FOR SILICON-BASED INTEGRATED PASSIVE DEVICES BY GEOGRAPHIC REGION

12.1 Global Silicon-based Integrated Passive Devices Market Size Forecast by Region

12.1.1 Global Silicon-based Integrated Passive Devices Forecast by Region (2026-2031)

12.1.2 Global Silicon-based Integrated Passive Devices Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Silicon-based Integrated Passive Devices Forecast by Type (2026-2031)

12.7 Global Silicon-based Integrated Passive Devices Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 ST

- 13.1.1 ST Company Information
- 13.1.2 ST Silicon-based Integrated Passive Devices Product Portfolios and Specifications
- 13.1.3 ST Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.1.4 ST Main Business Overview
- 13.1.5 ST Latest Developments
- 13.2 Qorvo
 - 13.2.1 Qorvo Company Information
 - 13.2.2 Qorvo Silicon-based Integrated Passive Devices Product Portfolios and Specifications
 - 13.2.3 Qorvo Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 Qorvo Main Business Overview
 - 13.2.5 Qorvo Latest Developments
- 13.3 Broadcom
 - 13.3.1 Broadcom Company Information
 - 13.3.2 Broadcom Silicon-based Integrated Passive Devices Product Portfolios and Specifications
 - 13.3.3 Broadcom Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Broadcom Main Business Overview
 - 13.3.5 Broadcom Latest Developments
- 13.4 Murata
 - 13.4.1 Murata Company Information
 - 13.4.2 Murata Silicon-based Integrated Passive Devices Product Portfolios and Specifications
 - 13.4.3 Murata Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 Murata Main Business Overview
 - 13.4.5 Murata Latest Developments
- 13.5 AVX
 - 13.5.1 AVX Company Information
 - 13.5.2 AVX Silicon-based Integrated Passive Devices Product Portfolios and Specifications
 - 13.5.3 AVX Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 AVX Main Business Overview
 - 13.5.5 AVX Latest Developments

13.6 Skyworks

13.6.1 Skyworks Company Information

13.6.2 Skyworks Silicon-based Integrated Passive Devices Product Portfolios and Specifications

13.6.3 Skyworks Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Skyworks Main Business Overview

13.6.5 Skyworks Latest Developments

13.7 ON Semiconductor

13.7.1 ON Semiconductor Company Information

13.7.2 ON Semiconductor Silicon-based Integrated Passive Devices Product Portfolios and Specifications

13.7.3 ON Semiconductor Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 ON Semiconductor Main Business Overview

13.7.5 ON Semiconductor Latest Developments

13.8 Johanson Technology

13.8.1 Johanson Technology Company Information

13.8.2 Johanson Technology Silicon-based Integrated Passive Devices Product Portfolios and Specifications

13.8.3 Johanson Technology Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Johanson Technology Main Business Overview

13.8.5 Johanson Technology Latest Developments

13.9 Onchip Devices

13.9.1 Onchip Devices Company Information

13.9.2 Onchip Devices Silicon-based Integrated Passive Devices Product Portfolios and Specifications

13.9.3 Onchip Devices Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Onchip Devices Main Business Overview

13.9.5 Onchip Devices Latest Developments

13.10 Xpeedic

13.10.1 Xpeedic Company Information

13.10.2 Xpeedic Silicon-based Integrated Passive Devices Product Portfolios and Specifications

13.10.3 Xpeedic Silicon-based Integrated Passive Devices Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Xpeedic Main Business Overview

13.10.5 Xpeedic Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. Silicon-based Integrated Passive Devices Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Silicon-based Integrated Passive Devices Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Digital & Mixed Signal IPD

Table 4. Major Players of RF IPD

Table 5. Major Players of ESD / EMI protection

Table 6. Global Silicon-based Integrated Passive Devices Sales byType (2020-2025) & (M Units)

Table 7. Global Silicon-based Integrated Passive Devices Sales Market Share byType (2020-2025)

Table 8. Global Silicon-based Integrated Passive Devices Revenue byType (2020-2025) & (\$ million)

Table 9. Global Silicon-based Integrated Passive Devices Revenue Market Share byType (2020-2025)

Table 10. Global Silicon-based Integrated Passive Devices Sale Price byType (2020-2025) & (US\$/K Units)

Table 11. Global Silicon-based Integrated Passive Devices Sale by Application (2020-2025) & (M Units)

Table 12. Global Silicon-based Integrated Passive Devices Sale Market Share by Application (2020-2025)

Table 13. Global Silicon-based Integrated Passive Devices Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Silicon-based Integrated Passive Devices Revenue Market Share by Application (2020-2025)

Table 15. Global Silicon-based Integrated Passive Devices Sale Price by Application (2020-2025) & (US\$/K Units)

Table 16. Global Silicon-based Integrated Passive Devices Sales by Company (2020-2025) & (M Units)

Table 17. Global Silicon-based Integrated Passive Devices Sales Market Share by Company (2020-2025)

Table 18. Global Silicon-based Integrated Passive Devices Revenue by Company

(2020-2025) & (\$ millions)

Table 19. Global Silicon-based Integrated Passive Devices Revenue Market Share by Company (2020-2025)

Table 20. Global Silicon-based Integrated Passive Devices Sale Price by Company (2020-2025) & (US\$/K Units)

Table 21. Key Manufacturers Silicon-based Integrated Passive Devices Producing Area Distribution and Sales Area

Table 22. Players Silicon-based Integrated Passive Devices Products Offered

Table 23. Silicon-based Integrated Passive Devices Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Silicon-based Integrated Passive Devices Sales by Geographic Region (2020-2025) & (M Units)

Table 27. Global Silicon-based Integrated Passive Devices Sales Market Share Geographic Region (2020-2025)

Table 28. Global Silicon-based Integrated Passive Devices Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global Silicon-based Integrated Passive Devices Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global Silicon-based Integrated Passive Devices Sales by Country/Region (2020-2025) & (M Units)

Table 31. Global Silicon-based Integrated Passive Devices Sales Market Share by Country/Region (2020-2025)

Table 32. Global Silicon-based Integrated Passive Devices Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Silicon-based Integrated Passive Devices Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Silicon-based Integrated Passive Devices Sales by Country (2020-2025) & (M Units)

Table 35. Americas Silicon-based Integrated Passive Devices Sales Market Share by Country (2020-2025)

Table 36. Americas Silicon-based Integrated Passive Devices Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Silicon-based Integrated Passive Devices Sales by Type (2020-2025) & (M Units)

Table 38. Americas Silicon-based Integrated Passive Devices Sales by Application (2020-2025) & (M Units)

Table 39. APAC Silicon-based Integrated Passive Devices Sales by Region

(2020-2025) & (M Units)

Table 40. APAC Silicon-based Integrated Passive Devices Sales Market Share by Region (2020-2025)

Table 41. APAC Silicon-based Integrated Passive Devices Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Silicon-based Integrated Passive Devices Sales byType (2020-2025) & (M Units)

Table 43. APAC Silicon-based Integrated Passive Devices Sales by Application (2020-2025) & (M Units)

Table 44. Europe Silicon-based Integrated Passive Devices Sales by Country (2020-2025) & (M Units)

Table 45. Europe Silicon-based Integrated Passive Devices Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Silicon-based Integrated Passive Devices Sales byType (2020-2025) & (M Units)

Table 47. Europe Silicon-based Integrated Passive Devices Sales by Application (2020-2025) & (M Units)

Table 48. Middle East & Africa Silicon-based Integrated Passive Devices Sales by Country (2020-2025) & (M Units)

Table 49. Middle East & Africa Silicon-based Integrated Passive Devices Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Silicon-based Integrated Passive Devices Sales byType (2020-2025) & (M Units)

Table 51. Middle East & Africa Silicon-based Integrated Passive Devices Sales by Application (2020-2025) & (M Units)

Table 52. Key Market Drivers & Growth Opportunities of Silicon-based Integrated Passive Devices

Table 53. Key Market Challenges & Risks of Silicon-based Integrated Passive Devices

Table 54. Key IndustryTrends of Silicon-based Integrated Passive Devices

Table 55. Silicon-based Integrated Passive Devices Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Silicon-based Integrated Passive Devices Distributors List

Table 58. Silicon-based Integrated Passive Devices Customer List

Table 59. Global Silicon-based Integrated Passive Devices SalesForecast by Region (2026-2031) & (M Units)

Table 60. Global Silicon-based Integrated Passive Devices RevenueForecast by Region (2026-2031) & (\$ millions)

Table 61. Americas Silicon-based Integrated Passive Devices SalesForecast by Country (2026-2031) & (M Units)

Table 62. Americas Silicon-based Integrated Passive Devices Annual RevenueForecast by Country (2026-2031) & (\$ millions)

Table 63. APAC Silicon-based Integrated Passive Devices SalesForecast by Region (2026-2031) & (M Units)

Table 64. APAC Silicon-based Integrated Passive Devices Annual RevenueForecast by Region (2026-2031) & (\$ millions)

Table 65. Europe Silicon-based Integrated Passive Devices SalesForecast by Country (2026-2031) & (M Units)

Table 66. Europe Silicon-based Integrated Passive Devices RevenueForecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa Silicon-based Integrated Passive Devices SalesForecast by Country (2026-2031) & (M Units)

Table 68. Middle East & Africa Silicon-based Integrated Passive Devices RevenueForecast by Country (2026-2031) & (\$ millions)

Table 69. Global Silicon-based Integrated Passive Devices SalesForecast byType (2026-2031) & (M Units)

Table 70. Global Silicon-based Integrated Passive Devices RevenueForecast byType (2026-2031) & (\$ millions)

Table 71. Global Silicon-based Integrated Passive Devices SalesForecast by Application (2026-2031) & (M Units)

Table 72. Global Silicon-based Integrated Passive Devices RevenueForecast by Application (2026-2031) & (\$ millions)

Table 73. ST Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 74. ST Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 75. ST Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 76. ST Main Business

Table 77. ST Latest Developments

Table 78. Qorvo Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 79. Qorvo Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 80. Qorvo Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 81. Qorvo Main Business

Table 82. Qorvo Latest Developments

Table 83. Broadcom Basic Information, Silicon-based Integrated Passive Devices

Manufacturing Base, Sales Area and Its Competitors

Table 84. Broadcom Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 85. Broadcom Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 86. Broadcom Main Business

Table 87. Broadcom Latest Developments

Table 88. Murata Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 89. Murata Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 90. Murata Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 91. Murata Main Business

Table 92. Murata Latest Developments

Table 93. AVX Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 94. AVX Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 95. AVX Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 96. AVX Main Business

Table 97. AVX Latest Developments

Table 98. Skyworks Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 99. Skyworks Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 100. Skyworks Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 101. Skyworks Main Business

Table 102. Skyworks Latest Developments

Table 103. ON Semiconductor Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 104. ON Semiconductor Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 105. ON Semiconductor Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 106. ON Semiconductor Main Business

Table 107. ON Semiconductor Latest Developments

Table 108. JohansonTechnology Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 109. JohansonTechnology Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 110. JohansonTechnology Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 111. JohansonTechnology Main Business

Table 112. JohansonTechnology Latest Developments

Table 113. Onchip Devices Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 114. Onchip Devices Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 115. Onchip Devices Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 116. Onchip Devices Main Business

Table 117. Onchip Devices Latest Developments

Table 118. Xpeedic Basic Information, Silicon-based Integrated Passive Devices Manufacturing Base, Sales Area and Its Competitors

Table 119. Xpeedic Silicon-based Integrated Passive Devices Product Portfolios and Specifications

Table 120. Xpeedic Silicon-based Integrated Passive Devices Sales (M Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2020-2025)

Table 121. Xpeedic Main Business

Table 122. Xpeedic Latest Developments

LIST OFFIGURES

Figure 1. Picture of Silicon-based Integrated Passive Devices

Figure 2. Silicon-based Integrated Passive Devices Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Silicon-based Integrated Passive Devices Sales Growth Rate 2020-2031 (M Units)

Figure 7. Global Silicon-based Integrated Passive Devices Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Silicon-based Integrated Passive Devices Sales by Geographic Region (2020,

2024 & 2031) & (\$ millions)

Figure 9. Silicon-based Integrated Passive Devices Sales Market Share by Country/Region (2024)

Figure 10. Silicon-based Integrated Passive Devices Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of Digital & Mixed Signal IPD

Figure 12. Product Picture of RF IPD

Figure 13. Product Picture of ESD / EMI protection

Figure 14. Global Silicon-based Integrated Passive Devices Sales Market Share byType in 2025

Figure 15. Global Silicon-based Integrated Passive Devices Revenue Market Share byType (2020-2025)

Figure 16. Silicon-based Integrated Passive Devices Consumed in Consumer Electronics

Figure 17. Global Silicon-based Integrated Passive Devices Market: Consumer Electronics (2020-2025) & (M Units)

Figure 18. Silicon-based Integrated Passive Devices Consumed in Industrial

Figure 19. Global Silicon-based Integrated Passive Devices Market: Industrial (2020-2025) & (M Units)

Figure 20. Silicon-based Integrated Passive Devices Consumed in Network and Server Equipment

Figure 21. Global Silicon-based Integrated Passive Devices Market: Network and Server Equipment (2020-2025) & (M Units)

Figure 22. Silicon-based Integrated Passive Devices Consumed in Automotive

Figure 23. Global Silicon-based Integrated Passive Devices Market: Automotive (2020-2025) & (M Units)

Figure 24. Silicon-based Integrated Passive Devices Consumed in Medical and Life Sciences

Figure 25. Global Silicon-based Integrated Passive Devices Market: Medical and Life Sciences (2020-2025) & (M Units)

Figure 26. Silicon-based Integrated Passive Devices Consumed in Other

Figure 27. Global Silicon-based Integrated Passive Devices Market: Other (2020-2025) & (M Units)

Figure 28. Global Silicon-based Integrated Passive Devices Sale Market Share by Application (2024)

Figure 29. Global Silicon-based Integrated Passive Devices Revenue Market Share by Application in 2025

Figure 30. Silicon-based Integrated Passive Devices Sales by Company in 2025 (M Units)

Figure 31. Global Silicon-based Integrated Passive Devices Sales Market Share by Company in 2025

Figure 32. Silicon-based Integrated Passive Devices Revenue by Company in 2025 (\$ millions)

Figure 33. Global Silicon-based Integrated Passive Devices Revenue Market Share by Company in 2025

Figure 34. Global Silicon-based Integrated Passive Devices Sales Market Share by Geographic Region (2020-2025)

Figure 35. Global Silicon-based Integrated Passive Devices Revenue Market Share by Geographic Region in 2025

Figure 36. Americas Silicon-based Integrated Passive Devices Sales 2020-2025 (M Units)

Figure 37. Americas Silicon-based Integrated Passive Devices Revenue 2020-2025 (\$ millions)

Figure 38. APAC Silicon-based Integrated Passive Devices Sales 2020-2025 (M Units)

Figure 39. APAC Silicon-based Integrated Passive Devices Revenue 2020-2025 (\$ millions)

Figure 40. Europe Silicon-based Integrated Passive Devices Sales 2020-2025 (M Units)

Figure 41. Europe Silicon-based Integrated Passive Devices Revenue 2020-2025 (\$ millions)

Figure 42. Middle East & Africa Silicon-based Integrated Passive Devices Sales 2020-2025 (M Units)

Figure 43. Middle East & Africa Silicon-based Integrated Passive Devices Revenue 2020-2025 (\$ millions)

Figure 44. Americas Silicon-based Integrated Passive Devices Sales Market Share by Country in 2025

Figure 45. Americas Silicon-based Integrated Passive Devices Revenue Market Share by Country (2020-2025)

Figure 46. Americas Silicon-based Integrated Passive Devices Sales Market Share by Type (2020-2025)

Figure 47. Americas Silicon-based Integrated Passive Devices Sales Market Share by Application (2020-2025)

Figure 48. United States Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 49. Canada Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 50. Mexico Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 51. Brazil Silicon-based Integrated Passive Devices Revenue Growth 2020-2025

(\$ millions)

Figure 52. APAC Silicon-based Integrated Passive Devices Sales Market Share by Region in 2025

Figure 53. APAC Silicon-based Integrated Passive Devices Revenue Market Share by Region (2020-2025)

Figure 54. APAC Silicon-based Integrated Passive Devices Sales Market Share byType (2020-2025)

Figure 55. APAC Silicon-based Integrated Passive Devices Sales Market Share by Application (2020-2025)

Figure 56. China Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 57. Japan Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 58. South Korea Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 59. Southeast Asia Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 60. India Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 61. Australia Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 62. ChinaTaiwan Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 63. Europe Silicon-based Integrated Passive Devices Sales Market Share by Country in 2025

Figure 64. Europe Silicon-based Integrated Passive Devices Revenue Market Share by Country (2020-2025)

Figure 65. Europe Silicon-based Integrated Passive Devices Sales Market Share byType (2020-2025)

Figure 66. Europe Silicon-based Integrated Passive Devices Sales Market Share by Application (2020-2025)

Figure 67. Germany Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 68. France Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 69. UK Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 70. Italy Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 71. Russia Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 72. Middle East & Africa Silicon-based Integrated Passive Devices Sales Market Share by Country (2020-2025)

Figure 73. Middle East & Africa Silicon-based Integrated Passive Devices Sales Market Share byType (2020-2025)

Figure 74. Middle East & Africa Silicon-based Integrated Passive Devices Sales Market Share by Application (2020-2025)

Figure 75. Egypt Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 76. South Africa Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 77. Israel Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 78. Turkey Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 79. GCC Countries Silicon-based Integrated Passive Devices Revenue Growth 2020-2025 (\$ millions)

Figure 80. Manufacturing Cost Structure Analysis of Silicon-based Integrated Passive Devices in 2025

Figure 81. Manufacturing Process Analysis of Silicon-based Integrated Passive Devices

Figure 82. Industry Chain Structure of Silicon-based Integrated Passive Devices

Figure 83. Channels of Distribution

Figure 84. Global Silicon-based Integrated Passive Devices Sales MarketForecast by Region (2026-2031)

Figure 85. Global Silicon-based Integrated Passive Devices Revenue Market ShareForecast by Region (2026-2031)

Figure 86. Global Silicon-based Integrated Passive Devices Sales Market ShareForecast byType (2026-2031)

Figure 87. Global Silicon-based Integrated Passive Devices Revenue Market ShareForecast byType (2026-2031)

Figure 88. Global Silicon-based Integrated Passive Devices Sales Market ShareForecast by Application (2026-2031)

Figure 89. Global Silicon-based Integrated Passive Devices Revenue Market ShareForecast by Application (2026-2031)

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