

Global Integrated Passive Devices Market Size study & Forecast, by Application (EMS and EMI protection IPD, RF IPD, LED lighting, Digital & mixed-signal IPD), by End-use (Automotive, Consumer electronics, Healthcare, Others), and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G38F905A6779EN.html>

Date: November 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G38F905A6779EN

Abstracts

Global Integrated Passive Devices Market is valued at approximately USD 1.70 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 11.70% over the forecast period 2022-2029. Passive components, such as capacitor, inductor, and resistor are combined to create an integrated passive device, which produces a highly dependable end-product. One of the key reasons propelling the growth of the integrated passive device market is the surge in IPD use in consumer durables throughout the globe. The growth of the market is accelerated by the increase in component miniaturization, which makes systems more dependable and compact owing to the creation of novel materials, sophisticated integration techniques, and the use of IPDs in RF applications. The development of practical manufacturing techniques like wafer fabrication to enable mass commercialization of these devices as well as the rise in demand for highly efficient and miniaturized electronic devices are further market drivers.

For instance, as per International Energy Agency, in 2021, EU member states agreed to phase out inefficient halogen and compact fluorescent bulbs by 2023, which would increase the adoption of LED drivers. Similarly, in 2022, government of the United States also plans to phase out incandescent light bulbs by 2023. The rapid technological advancements are creating lucrative growth opportunities for the Global Integrated Passive Devices Market over the forecast period. However, the high cost of Integrated Passive Devices stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Integrated Passive Devices Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. The market was dominated by the European continent. Key vendors like Infineon Technologies AG, STMicroelectronics, and IPDiA that create cutting-edge products based on efficient research and development are present in this region, which contributes to the growth. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as due to development of new technology and various application of integrated passive devices in various end-use such as automotive, healthcare and electronics.

Major market players included in this report are:

JCET Group Co., Ltd.
Semiconductor Components Industries, LLC
Infineon Technologies AG
Texas Instruments Incorporated
STMicroelectronics
Murata Manufacturing Co., Ltd
Johanson Technology
OnChip Devices, Inc.
Global Communication Semiconductors
LLC 3DiS Technologies.

Recent Developments in the Market:

In May 2022, specifics of STMicroelectronics' partnership with Microsoft, an ST Authorized partner, to improve the security of developing Internet-of-Things (IoT) applications have been made public. Microsoft is a worldwide semiconductor leader servicing clients across the range of electronics applications.

In August 2022, IPD chips for the latest Apple iPhones are outsourced and processed by TSMC (Taiwan Semiconductor Manufacturing Company) and Amkor Technology Inc., two of the major semiconductor industry vendors. Apple is anticipated to increase the use of IPDs (integrated passive devices) for the forecast period, their new iPhones, and other items. This is anticipated to present manufacturers with several potential to capture a sizable portion of the market, fueling expansion over the anticipated timeframe.

Global Integrated Passive Devices Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Application, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

EMS and EMI protection IPD

RF IPD

LED lighting

Digital & mixed-signal IPD

By End-use:

Automotive

Consumer electronics

Healthcare

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Integrated Passive Devices Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Integrated Passive Devices Market, by Application, 2019-2029 (USD Billion)
 - 1.2.3. Integrated Passive Devices Market, by End-use, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL INTEGRATED PASSIVE DEVICES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL INTEGRATED PASSIVE DEVICES MARKET DYNAMICS

- 3.1. Integrated Passive Devices Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing IPD consumer durables
 - 3.1.1.2. Rising development of practical manufacturing techniques
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Integrated Passive Devices
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rapid technological advancements in Integrated Passive Device

CHAPTER 4. GLOBAL INTEGRATED PASSIVE DEVICES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL INTEGRATED PASSIVE DEVICES MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Integrated Passive Devices Market by Application, Performance - Potential Analysis
- 6.3. Global Integrated Passive Devices Market Estimates & Forecasts by Application, 2019-2029 (USD Billion)
- 6.4. Integrated Passive Devices Market, Sub Segment Analysis
 - 6.4.1. EMS and EMI protection IPD
 - 6.4.2. RF IPD
 - 6.4.3. LED lighting
 - 6.4.4. Digital & mixed-signal IPD

CHAPTER 7. GLOBAL INTEGRATED PASSIVE DEVICES MARKET, BY END-USE

- 7.1. Market Snapshot
- 7.2. Global Integrated Passive Devices Market by End-use, Performance - Potential Analysis

7.3. Global Integrated Passive Devices Market Estimates & Forecasts by End-use, 2019-2029 (USD Billion)

7.4. Integrated Passive Devices Market, Sub Segment Analysis

7.4.1. Automotive

7.4.2. Consumer electronics

7.4.3. Healthcare

7.4.4. Others

CHAPTER 8. GLOBAL INTEGRATED PASSIVE DEVICES MARKET, REGIONAL ANALYSIS

8.1. Integrated Passive Devices Market, Regional Market Snapshot

8.2. North America Integrated Passive Devices Market

8.2.1. U.S. Integrated Passive Devices Market

8.2.1.1. Application breakdown estimates & forecasts, 2019-2029

8.2.1.2. End-use breakdown estimates & forecasts, 2019-2029

8.2.2. Canada Integrated Passive Devices Market

8.3. Europe Integrated Passive Devices Market Snapshot

8.3.1. U.K. Integrated Passive Devices Market

8.3.2. Germany Integrated Passive Devices Market

8.3.3. France Integrated Passive Devices Market

8.3.4. Spain Integrated Passive Devices Market

8.3.5. Italy Integrated Passive Devices Market

8.3.6. Rest of Europe Integrated Passive Devices Market

8.4. Asia-Pacific Integrated Passive Devices Market Snapshot

8.4.1. China Integrated Passive Devices Market

8.4.2. India Integrated Passive Devices Market

8.4.3. Japan Integrated Passive Devices Market

8.4.4. Australia Integrated Passive Devices Market

8.4.5. South Korea Integrated Passive Devices Market

8.4.6. Rest of Asia Pacific Integrated Passive Devices Market

8.5. Latin America Integrated Passive Devices Market Snapshot

8.5.1. Brazil Integrated Passive Devices Market

8.5.2. Mexico Integrated Passive Devices Market

8.6. Rest of The World Integrated Passive Devices Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. JCET Group Co., Ltd.

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

9.2.1.4. Product Summary

9.2.1.5. Recent Developments

9.2.2. Semiconductor Components Industries, LLC

9.2.3. Infineon Technologies AG

9.2.4. Texas Instruments Incorporated

9.2.5. STMicroelectronics

9.2.6. Murata Manufacturing Co., Ltd

9.2.7. Johanson Technology

9.2.8. OnChip Devices, Inc.

9.2.9. Global Communication Semiconductors

9.2.10. LLC 3DiS Technologies.

CHAPTER 10. RESEARCH PROCESS

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Integrated Passive Devices Market, report scope

TABLE 2. Global Integrated Passive Devices Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Integrated Passive Devices Market estimates & forecasts by Application 2019-2029 (USD Billion)

TABLE 4. Global Integrated Passive Devices Market estimates & forecasts by End-use 2019-2029 (USD Billion)

TABLE 5. Global Integrated Passive Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 6. Global Integrated Passive Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Integrated Passive Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Integrated Passive Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Integrated Passive Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Integrated Passive Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Integrated Passive Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Integrated Passive Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Integrated Passive Devices Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Integrated Passive Devices Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. U.S. Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 17. U.S. Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. Canada Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. Canada Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. UK Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. UK Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. Germany Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. Germany Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. France Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. France Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. Italy Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. Italy Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Spain Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Spain Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. RoE Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. RoE Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE Integrated Passive Devices Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. China Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Mexico Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Mexico Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Mexico Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. RoLA Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. RoLA Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. RoLA Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. Row Integrated Passive Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. Row Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. Row Integrated Passive Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Integrated Passive Devices Market

TABLE 70. List of primary sources, used in the study of global Integrated Passive Devices Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Integrated Passive Devices Market, research methodology
 - FIG 2. Global Integrated Passive Devices Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Integrated Passive Devices Market, key trends 2021
 - FIG 5. Global Integrated Passive Devices Market, growth prospects 2022-2029
 - FIG 6. Global Integrated Passive Devices Market, porters 5 force model
 - FIG 7. Global Integrated Passive Devices Market, pest analysis
 - FIG 8. Global Integrated Passive Devices Market, value chain analysis
 - FIG 9. Global Integrated Passive Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Integrated Passive Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Integrated Passive Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Integrated Passive Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Integrated Passive Devices Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Integrated Passive Devices Market, regional snapshot 2019 & 2029
 - FIG 15. North America Integrated Passive Devices Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Integrated Passive Devices Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia Pacific Integrated Passive Devices Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Integrated Passive Devices Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Integrated Passive Devices Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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