

Global Passive Ring Modulators Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD0A8A14B00CEN.html>

Date: May 2026

Pages: 117

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

ID: GD0A8A14B00CEN

Abstracts

The global Passive Ring Modulators market size is expected to reach \$ 340 million by 2032, rising at a market growth of 9.0% CAGR during the forecast period (2026-2032).

In 2025, global Passive Ring Modulator output reached about 3.0 million units and global capacity of around 3.8 million units. The average price is about USD 60 per unit, with gross margins near 34%. Passive Ring Modulators are nonlinear electronic or photonic devices that use passive components (such as diodes in RF systems or microring resonators in integrated photonics) to mix two signals—typically a carrier and a modulating signal—producing sum and difference frequencies without requiring active amplification. In RF/microwave applications, they are widely used for frequency conversion, mixers, and signal processing, while in silicon photonics they enable high-speed optical modulation for data transmission. The supply chain begins upstream with semiconductor substrates (silicon, III-V materials), passive components (Schottky diodes, waveguides), and precision fabrication equipment; midstream involves device design, wafer fabrication (CMOS or photonic integrated circuit processes), packaging, and testing by specialized manufacturers; downstream includes integration into communication systems, optical transceivers, radar systems, and instrumentation used across telecommunications, data centers, aerospace & defense, and advanced sensing industries.

This report studies the global Passive Ring Modulators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Passive Ring Modulators 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 Passive Ring Modulators that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Passive Ring Modulators total production and demand, 2021-2032, (K Units)

Global Passive Ring Modulators total production value, 2021-2032, (USD Million)

Global Passive Ring Modulators production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Passive Ring Modulators consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Passive Ring Modulators domestic production, consumption, key domestic manufacturers and share

Global Passive Ring Modulators production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Passive Ring Modulators production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Passive Ring Modulators production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Passive Ring Modulators 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 Mini-Circuits, Marki Microwave, MACOM Technology, Analog Devices, Qorvo, Skyworks Solutions, NXP Semiconductors, Infineon, Broadcom, Texas Instruments, 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 Passive Ring Modulators market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Passive Ring Modulators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Passive Ring Modulators Market, Segmentation by Type:

Electrical Ring Modulators

Optical Ring Modulators

Global Passive Ring Modulators Market, Segmentation by Balance Configuration:

Single-Ended Ring Modulators

Double-Balanced Ring Modulators

Triple-Balanced Ring Modulators

Global Passive Ring Modulators Market, Segmentation by Application:

Telecom & Data Centers

Aerospace & Defense

Automotive

Industrial

Medical Devices

Others

Companies Profiled:

Mini-Circuits

Marki Microwave

MACOM Technology

Analog Devices

Qorvo

Skyworks Solutions

NXP Semiconductors

Infineon

Broadcom

Texas Instruments

Renesas

Anaren

Crystek

Werlatone

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

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

2021-2026

4.4.1 United States Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Passive Ring Modulators Production Value (2021-2026)

4.4.3 United States Based Manufacturers Passive Ring Modulators Production (2021-2026)

4.5 China Based Passive Ring Modulators Manufacturers and Market Share

4.5.1 China Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Passive Ring Modulators Production Value (2021-2026)

4.5.3 China Based Manufacturers Passive Ring Modulators Production (2021-2026)

4.6 Rest of World Based Passive Ring Modulators Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Passive Ring Modulators Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Passive Ring Modulators Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Passive Ring Modulators Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Electrical Ring Modulators

5.2.2 Optical Ring Modulators

5.3 Market Segment by Type

5.3.1 World Passive Ring Modulators Production by Type (2021-2032)

5.3.2 World Passive Ring Modulators Production Value by Type (2021-2032)

5.3.3 World Passive Ring Modulators Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY BALANCE CONFIGURATION

6.1 World Passive Ring Modulators Market Size Overview by Balance Configuration: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Balance Configuration

- 6.2.1 Single-Ended Ring Modulators
- 6.2.2 Double-Balanced Ring Modulators
- 6.2.3 Triple-Balanced Ring Modulators
- 6.3 Market Segment by Balance Configuration
 - 6.3.1 World Passive Ring Modulators Production by Balance Configuration (2021-2032)
 - 6.3.2 World Passive Ring Modulators Production Value by Balance Configuration (2021-2032)
 - 6.3.3 World Passive Ring Modulators Average Price by Balance Configuration (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

- 7.1 World Passive Ring Modulators Market Size Overview by Application: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Application
 - 7.2.1 Telecom & Data Centers
 - 7.2.2 Aerospace & Defense
 - 7.2.3 Automotive
 - 7.2.4 Industrial
 - 7.2.5 Medical Devices
 - 7.2.6 Others
- 7.3 Market Segment by Application
 - 7.3.1 World Passive Ring Modulators Production by Application (2021-2032)
 - 7.3.2 World Passive Ring Modulators Production Value by Application (2021-2032)
 - 7.3.3 World Passive Ring Modulators Average Price by Application (2021-2032)

8 COMPANY PROFILES

- 8.1 Mini-Circuits
 - 8.1.1 Mini-Circuits Details
 - 8.1.2 Mini-Circuits Major Business
 - 8.1.3 Mini-Circuits Passive Ring Modulators Product and Services
 - 8.1.4 Mini-Circuits Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.1.5 Mini-Circuits Recent Developments/Updates
 - 8.1.6 Mini-Circuits Competitive Strengths & Weaknesses
- 8.2 Marki Microwave
 - 8.2.1 Marki Microwave Details

- 8.2.2 Marki Microwave Major Business
- 8.2.3 Marki Microwave Passive Ring Modulators Product and Services
- 8.2.4 Marki Microwave Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.2.5 Marki Microwave Recent Developments/Updates
- 8.2.6 Marki Microwave Competitive Strengths & Weaknesses
- 8.3 MACOM Technology
 - 8.3.1 MACOM Technology Details
 - 8.3.2 MACOM Technology Major Business
 - 8.3.3 MACOM Technology Passive Ring Modulators Product and Services
 - 8.3.4 MACOM Technology Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 MACOM Technology Recent Developments/Updates
 - 8.3.6 MACOM Technology Competitive Strengths & Weaknesses
- 8.4 Analog Devices
 - 8.4.1 Analog Devices Details
 - 8.4.2 Analog Devices Major Business
 - 8.4.3 Analog Devices Passive Ring Modulators Product and Services
 - 8.4.4 Analog Devices Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Analog Devices Recent Developments/Updates
 - 8.4.6 Analog Devices Competitive Strengths & Weaknesses
- 8.5 Qorvo
 - 8.5.1 Qorvo Details
 - 8.5.2 Qorvo Major Business
 - 8.5.3 Qorvo Passive Ring Modulators Product and Services
 - 8.5.4 Qorvo Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 Qorvo Recent Developments/Updates
 - 8.5.6 Qorvo Competitive Strengths & Weaknesses
- 8.6 Skyworks Solutions
 - 8.6.1 Skyworks Solutions Details
 - 8.6.2 Skyworks Solutions Major Business
 - 8.6.3 Skyworks Solutions Passive Ring Modulators Product and Services
 - 8.6.4 Skyworks Solutions Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.6.5 Skyworks Solutions Recent Developments/Updates
 - 8.6.6 Skyworks Solutions Competitive Strengths & Weaknesses
- 8.7 NXP Semiconductors

- 8.7.1 NXP Semiconductors Details
- 8.7.2 NXP Semiconductors Major Business
- 8.7.3 NXP Semiconductors Passive Ring Modulators Product and Services
- 8.7.4 NXP Semiconductors Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.7.5 NXP Semiconductors Recent Developments/Updates
- 8.7.6 NXP Semiconductors Competitive Strengths & Weaknesses
- 8.8 Infineon
 - 8.8.1 Infineon Details
 - 8.8.2 Infineon Major Business
 - 8.8.3 Infineon Passive Ring Modulators Product and Services
 - 8.8.4 Infineon Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.8.5 Infineon Recent Developments/Updates
 - 8.8.6 Infineon Competitive Strengths & Weaknesses
- 8.9 Broadcom
 - 8.9.1 Broadcom Details
 - 8.9.2 Broadcom Major Business
 - 8.9.3 Broadcom Passive Ring Modulators Product and Services
 - 8.9.4 Broadcom Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.9.5 Broadcom Recent Developments/Updates
 - 8.9.6 Broadcom Competitive Strengths & Weaknesses
- 8.10 Texas Instruments
 - 8.10.1 Texas Instruments Details
 - 8.10.2 Texas Instruments Major Business
 - 8.10.3 Texas Instruments Passive Ring Modulators Product and Services
 - 8.10.4 Texas Instruments Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Texas Instruments Recent Developments/Updates
 - 8.10.6 Texas Instruments Competitive Strengths & Weaknesses
- 8.11 Renesas
 - 8.11.1 Renesas Details
 - 8.11.2 Renesas Major Business
 - 8.11.3 Renesas Passive Ring Modulators Product and Services
 - 8.11.4 Renesas Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Renesas Recent Developments/Updates
 - 8.11.6 Renesas Competitive Strengths & Weaknesses

8.12 Anaren

8.12.1 Anaren Details

8.12.2 Anaren Major Business

8.12.3 Anaren Passive Ring Modulators Product and Services

8.12.4 Anaren Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.12.5 Anaren Recent Developments/Updates

8.12.6 Anaren Competitive Strengths & Weaknesses

8.13 Crystek

8.13.1 Crystek Details

8.13.2 Crystek Major Business

8.13.3 Crystek Passive Ring Modulators Product and Services

8.13.4 Crystek Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.13.5 Crystek Recent Developments/Updates

8.13.6 Crystek Competitive Strengths & Weaknesses

8.14 Werlatone

8.14.1 Werlatone Details

8.14.2 Werlatone Major Business

8.14.3 Werlatone Passive Ring Modulators Product and Services

8.14.4 Werlatone Passive Ring Modulators Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 Werlatone Recent Developments/Updates

8.14.6 Werlatone Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Passive Ring Modulators Industry Chain

9.2 Passive Ring Modulators Upstream Analysis

9.2.1 Passive Ring Modulators Core Raw Materials

9.2.2 Main Manufacturers of Passive Ring Modulators Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Passive Ring Modulators Production Mode

9.6 Passive Ring Modulators Procurement Model

9.7 Passive Ring Modulators Industry Sales Model and Sales Channels

9.7.1 Passive Ring Modulators Sales Model

9.7.2 Passive Ring Modulators 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 Passive Ring Modulators Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Passive Ring Modulators Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Passive Ring Modulators Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Passive Ring Modulators Production Value Market Share by Region (2021-2026)
- Table 5. World Passive Ring Modulators Production Value Market Share by Region (2027-2032)
- Table 6. World Passive Ring Modulators Production by Region (2021-2026) & (K Units)
- Table 7. World Passive Ring Modulators Production by Region (2027-2032) & (K Units)
- Table 8. World Passive Ring Modulators Production Market Share by Region (2021-2026)
- Table 9. World Passive Ring Modulators Production Market Share by Region (2027-2032)
- Table 10. World Passive Ring Modulators Average Price by Region (2021-2026) & (US\$/Unit)
- Table 11. World Passive Ring Modulators Average Price by Region (2027-2032) & (US\$/Unit)
- Table 12. Passive Ring Modulators Major Market Trends
- Table 13. World Passive Ring Modulators Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)
- Table 14. World Passive Ring Modulators Consumption by Region (2021-2026) & (K Units)
- Table 15. World Passive Ring Modulators Consumption Forecast by Region (2027-2032) & (K Units)
- Table 16. World Passive Ring Modulators Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Passive Ring Modulators Producers in 2025
- Table 18. World Passive Ring Modulators Production by Manufacturer (2021-2026) & (K Units)
- Table 19. Production Market Share of Key Passive Ring Modulators Producers in 2025
- Table 20. World Passive Ring Modulators Average Price by Manufacturer (2021-2026)

& (US\$/Unit)

Table 21. Global Passive Ring Modulators Company Evaluation Quadrant

Table 22. World Passive Ring Modulators Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Passive Ring Modulators Production Site of Key Manufacturer

Table 24. Passive Ring Modulators Market: Company Product Type Footprint

Table 25. Passive Ring Modulators Market: Company Product Application Footprint

Table 26. Passive Ring Modulators Competitive Factors

Table 27. Passive Ring Modulators New Entrant and Capacity Expansion Plans

Table 28. Passive Ring Modulators Mergers & Acquisitions Activity

Table 29. United States VS China Passive Ring Modulators Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Passive Ring Modulators Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Passive Ring Modulators Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Passive Ring Modulators Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Passive Ring Modulators Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Passive Ring Modulators Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Passive Ring Modulators Production Market Share (2021-2026)

Table 37. China Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Passive Ring Modulators Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Passive Ring Modulators Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Passive Ring Modulators Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Passive Ring Modulators Production Market Share (2021-2026)

Table 42. Rest of World Based Passive Ring Modulators Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Passive Ring Modulators Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Passive Ring Modulators Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Passive Ring Modulators Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Passive Ring Modulators Production Market Share (2021-2026)

Table 47. World Passive Ring Modulators Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Passive Ring Modulators Production by Type (2021-2026) & (K Units)

Table 49. World Passive Ring Modulators Production by Type (2027-2032) & (K Units)

Table 50. World Passive Ring Modulators Production Value by Type (2021-2026) & (USD Million)

Table 51. World Passive Ring Modulators Production Value by Type (2027-2032) & (USD Million)

Table 52. World Passive Ring Modulators Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Passive Ring Modulators Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Passive Ring Modulators Production Value by Balance Configuration, (USD Million), 2021 & 2025 & 2032

Table 55. World Passive Ring Modulators Production by Balance Configuration (2021-2026) & (K Units)

Table 56. World Passive Ring Modulators Production by Balance Configuration (2027-2032) & (K Units)

Table 57. World Passive Ring Modulators Production Value by Balance Configuration (2021-2026) & (USD Million)

Table 58. World Passive Ring Modulators Production Value by Balance Configuration (2027-2032) & (USD Million)

Table 59. World Passive Ring Modulators Average Price by Balance Configuration (2021-2026) & (US\$/Unit)

Table 60. World Passive Ring Modulators Average Price by Balance Configuration (2027-2032) & (US\$/Unit)

Table 61. World Passive Ring Modulators Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Passive Ring Modulators Production by Application (2021-2026) & (K Units)

Table 63. World Passive Ring Modulators Production by Application (2027-2032) & (K

Units)

Table 64. World Passive Ring Modulators Production Value by Application (2021-2026) & (USD Million)

Table 65. World Passive Ring Modulators Production Value by Application (2027-2032) & (USD Million)

Table 66. World Passive Ring Modulators Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World Passive Ring Modulators Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. Mini-Circuits Basic Information, Manufacturing Base and Competitors

Table 69. Mini-Circuits Major Business

Table 70. Mini-Circuits Passive Ring Modulators Product and Services

Table 71. Mini-Circuits Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Mini-Circuits Recent Developments/Updates

Table 73. Mini-Circuits Competitive Strengths & Weaknesses

Table 74. Marki Microwave Basic Information, Manufacturing Base and Competitors

Table 75. Marki Microwave Major Business

Table 76. Marki Microwave Passive Ring Modulators Product and Services

Table 77. Marki Microwave Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Marki Microwave Recent Developments/Updates

Table 79. Marki Microwave Competitive Strengths & Weaknesses

Table 80. MACOM Technology Basic Information, Manufacturing Base and Competitors

Table 81. MACOM Technology Major Business

Table 82. MACOM Technology Passive Ring Modulators Product and Services

Table 83. MACOM Technology Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. MACOM Technology Recent Developments/Updates

Table 85. MACOM Technology Competitive Strengths & Weaknesses

Table 86. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 87. Analog Devices Major Business

Table 88. Analog Devices Passive Ring Modulators Product and Services

Table 89. Analog Devices Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Analog Devices Recent Developments/Updates

- Table 91. Analog Devices Competitive Strengths & Weaknesses
- Table 92. Qorvo Basic Information, Manufacturing Base and Competitors
- Table 93. Qorvo Major Business
- Table 94. Qorvo Passive Ring Modulators Product and Services
- Table 95. Qorvo Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. Qorvo Recent Developments/Updates
- Table 97. Qorvo Competitive Strengths & Weaknesses
- Table 98. Skyworks Solutions Basic Information, Manufacturing Base and Competitors
- Table 99. Skyworks Solutions Major Business
- Table 100. Skyworks Solutions Passive Ring Modulators Product and Services
- Table 101. Skyworks Solutions Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. Skyworks Solutions Recent Developments/Updates
- Table 103. Skyworks Solutions Competitive Strengths & Weaknesses
- Table 104. NXP Semiconductors Basic Information, Manufacturing Base and Competitors
- Table 105. NXP Semiconductors Major Business
- Table 106. NXP Semiconductors Passive Ring Modulators Product and Services
- Table 107. NXP Semiconductors Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. NXP Semiconductors Recent Developments/Updates
- Table 109. NXP Semiconductors Competitive Strengths & Weaknesses
- Table 110. Infineon Basic Information, Manufacturing Base and Competitors
- Table 111. Infineon Major Business
- Table 112. Infineon Passive Ring Modulators Product and Services
- Table 113. Infineon Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. Infineon Recent Developments/Updates
- Table 115. Infineon Competitive Strengths & Weaknesses
- Table 116. Broadcom Basic Information, Manufacturing Base and Competitors
- Table 117. Broadcom Major Business
- Table 118. Broadcom Passive Ring Modulators Product and Services
- Table 119. Broadcom Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. Broadcom Recent Developments/Updates
- Table 121. Broadcom Competitive Strengths & Weaknesses

- Table 122. Texas Instruments Basic Information, Manufacturing Base and Competitors
- Table 123. Texas Instruments Major Business
- Table 124. Texas Instruments Passive Ring Modulators Product and Services
- Table 125. Texas Instruments Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Texas Instruments Recent Developments/Updates
- Table 127. Texas Instruments Competitive Strengths & Weaknesses
- Table 128. Renesas Basic Information, Manufacturing Base and Competitors
- Table 129. Renesas Major Business
- Table 130. Renesas Passive Ring Modulators Product and Services
- Table 131. Renesas Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 132. Renesas Recent Developments/Updates
- Table 133. Renesas Competitive Strengths & Weaknesses
- Table 134. Anaren Basic Information, Manufacturing Base and Competitors
- Table 135. Anaren Major Business
- Table 136. Anaren Passive Ring Modulators Product and Services
- Table 137. Anaren Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Anaren Recent Developments/Updates
- Table 139. Anaren Competitive Strengths & Weaknesses
- Table 140. Crystek Basic Information, Manufacturing Base and Competitors
- Table 141. Crystek Major Business
- Table 142. Crystek Passive Ring Modulators Product and Services
- Table 143. Crystek Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 144. Crystek Recent Developments/Updates
- Table 145. Crystek Competitive Strengths & Weaknesses
- Table 146. Werlatone Basic Information, Manufacturing Base and Competitors
- Table 147. Werlatone Major Business
- Table 148. Werlatone Passive Ring Modulators Product and Services
- Table 149. Werlatone Passive Ring Modulators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 150. Werlatone Recent Developments/Updates
- Table 151. Werlatone Competitive Strengths & Weaknesses
- Table 152. Global Key Players of Passive Ring Modulators Upstream (Raw Materials)
- Table 153. Global Passive Ring Modulators Typical Customers
- Table 154. Passive Ring Modulators Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Passive Ring Modulators Picture
- Figure 2. World Passive Ring Modulators Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Passive Ring Modulators Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 5. World Passive Ring Modulators Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Passive Ring Modulators Production Value Market Share by Region (2021-2032)
- Figure 7. World Passive Ring Modulators Production Market Share by Region (2021-2032)
- Figure 8. North America Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 9. Europe Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 10. China Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 11. Japan Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 12. South Korea Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 13. Southeast Asia Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 14. China Taiwan Passive Ring Modulators Production (2021-2032) & (K Units)
- Figure 15. Passive Ring Modulators Market Drivers
- Figure 16. Factors Affecting Demand
- Figure 17. World Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 18. World Passive Ring Modulators Consumption Market Share by Region (2021-2032)
- Figure 19. United States Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 20. China Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 21. Europe Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 22. Japan Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 23. South Korea Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 24. ASEAN Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 25. India Passive Ring Modulators Consumption (2021-2032) & (K Units)
- Figure 26. Producer Shipments of Passive Ring Modulators by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 27. Global Four-firm Concentration Ratios (CR4) for Passive Ring Modulators Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Passive Ring Modulators Markets in 2025

Figure 29. United States VS China: Passive Ring Modulators Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Passive Ring Modulators Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Passive Ring Modulators Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Passive Ring Modulators Production Market Share 2025

Figure 33. China Based Manufacturers Passive Ring Modulators Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Passive Ring Modulators Production Market Share 2025

Figure 35. World Passive Ring Modulators Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Passive Ring Modulators Production Value Market Share by Type in 2025

Figure 37. Electrical Ring Modulators

Figure 38. Optical Ring Modulators

Figure 39. World Passive Ring Modulators Production Market Share by Type (2021-2032)

Figure 40. World Passive Ring Modulators Production Value Market Share by Type (2021-2032)

Figure 41. World Passive Ring Modulators Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World Passive Ring Modulators Production Value by Balance Configuration, (USD Million), 2021 & 2025 & 2032

Figure 43. World Passive Ring Modulators Production Value Market Share by Balance Configuration in 2025

Figure 44. Single-Ended Ring Modulators

Figure 45. Double-Balanced Ring Modulators

Figure 46. Triple-Balanced Ring Modulators

Figure 47. World Passive Ring Modulators Production Market Share by Balance Configuration (2021-2032)

Figure 48. World Passive Ring Modulators Production Value Market Share by Balance Configuration (2021-2032)

Figure 49. World Passive Ring Modulators Average Price by Balance Configuration (2021-2032) & (US\$/Unit)

Figure 50. World Passive Ring Modulators Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 51. World Passive Ring Modulators Production Value Market Share by Application in 2025

Figure 52. Telecom & Data Centers

Figure 53. Aerospace & Defense

Figure 54. Automotive

Figure 55. Industrial

Figure 56. Medical Devices

Figure 57. Others

Figure 58. World Passive Ring Modulators Production Market Share by Application (2021-2032)

Figure 59. World Passive Ring Modulators Production Value Market Share by Application (2021-2032)

Figure 60. World Passive Ring Modulators Average Price by Application (2021-2032) & (US\$/Unit)

Figure 61. Passive Ring Modulators Industry Chain

Figure 62. Passive Ring Modulators Procurement Model

Figure 63. Passive Ring Modulators Sales Model

Figure 64. Passive Ring Modulators Sales Channels, Direct Sales, and Distribution

Figure 65. Methodology

Figure 66. Research Process and Data Source

I would like to order

Product name: Global Passive Ring Modulators Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GD0A8A14B00CEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD0A8A14B00CEN.html>