

# Global Magneto-Optic Isolator Market Growth 2026-2032

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## Abstracts

The global Magneto-Optic Isolator market size is predicted to grow from US\$ 881 million in 2025 to US\$ 1609 million in 2032; it is expected to grow at a CAGR of 8.8% from 2026 to 2032.

A Magneto-Optic Isolator is an optical device that uses the Faraday effect to enable unidirectional transmission of light. It allows light to pass in one direction while blocking light traveling in the opposite direction, protecting lasers or optical systems from reflected or backscattered light. Magneto-optic isolators are widely used in lasers, optical communication systems, and precision optical experiments. In 2025, global magneto-optic isolator production reached approximately 750 K units, with an average global market price of around US\$ 1,200 per unit. Annual production capacity is 1 M units. Gross Profit Margin: 32.25%. The magneto-optic isolator industry chain spans upstream raw materials, core components, and downstream applications. Upstream, high-quality magneto-optic crystals such as bismuth-doped garnets and permanent magnets are critical. Midstream manufacturers assemble free-space and fiber isolators, integrating precision optics, magnetic assemblies, and housing. Downstream, the products serve optical communication networks, data centers, industrial lasers, defense lidar systems, and research laboratories, driving steady demand growth globally. Magneto-optic isolators are increasingly indispensable as optical systems expand in scale and complexity. With growing adoption in high-speed data transmission, industrial laser processing, and autonomous vehicle lidar, demand for reliable, high-performance isolators will rise. Companies investing in advanced crystal growth, precision assembly, and customized solutions are likely to secure competitive advantages in this niche but steadily growing market.

United States market for Magneto-Optic Isolator is estimated to increase from US\$

million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Magneto-Optic Isolator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Magneto-Optic Isolator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Magneto-Optic Isolator players cover Thorlabs, Inc., WaveSource Photonics, Inc., AC Photonics, Inc., OZ Optics Ltd., General Photonics Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Magneto-Optic Isolator Industry Forecast” looks at past sales and reviews total world Magneto-Optic Isolator sales in 2025, providing a comprehensive analysis by region and market sector of projected Magneto-Optic Isolator sales for 2026 through 2032. With Magneto-Optic Isolator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Magneto-Optic Isolator industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Magneto-Optic Isolator and breaks down the forecast by Package 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 Magneto-Optic Isolator.

This report presents a comprehensive overview, market shares, and growth opportunities of Magneto-Optic Isolator market by product type, application, key manufacturers and key regions and countries.

### Segmentation by Package Type:

Fiber Isolator

Free-Space Isolator

Module Isolator

### Segmentation by Operating Wavelength:

Telecom Band Isolator

Near-Infrared Isolator

Visible Light Isolator

Broadband Isolator

### Segmentation by Power Handling:

Low-Power Isolator

Medium-Power Isolator

High-Power Isolator

Ultra-High-Power Isolator

### Segmentation by Application:

Telecommunications & Data Centers

Consumer Electronics

Industrial Manufacturing

Military & Defense

Others

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.

Thorlabs, Inc.

WaveSource Photonics, Inc.

AC Photonics, Inc.

OZ Optics Ltd.

General Photonics Corporation

Molex

O?Net Technologies

Flyin Optronics Co., Ltd.

Electro?Optics Technology, Inc.

Agiltron, Inc.

Finisar Corporation

II?VI Incorporated

Corning Incorporated

Altechna Co., Ltd.

Optek Technology

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Magneto-Optic Isolator market?

What factors are driving Magneto-Optic Isolator market growth, globally and by region?

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

How do Magneto-Optic Isolator market opportunities vary by end market size?

How does Magneto-Optic Isolator break out by Package 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 Magneto-Optic Isolator Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Magneto-Optic Isolator by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Magneto-Optic Isolator by Country/Region, 2021, 2025 & 2032

#### 2.2 Magneto-Optic Isolator Segment by Package Type

- 2.2.1 Fiber Isolator
- 2.2.2 Free-Space Isolator
- 2.2.3 Module Isolator
- 2.2.4 Magneto-Optic Isolator Sales by Package Type
  - 2.2.4.1 Global Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)
  - 2.2.4.2 Global Magneto-Optic Isolator Revenue and Market Share by Package Type (2021-2026)
  - 2.2.4.3 Global Magneto-Optic Isolator Sale Price by Package Type (2021-2026)

#### 2.3 Magneto-Optic Isolator Segment by Operating Wavelength

- 2.3.1 Telecom Band Isolator
- 2.3.2 Near-Infrared Isolator
- 2.3.3 Visible Light Isolator
- 2.3.4 Broadband Isolator
- 2.3.5 Magneto-Optic Isolator Sales by Operating Wavelength
  - 2.3.5.1 Global Magneto-Optic Isolator Sales Market Share by Operating Wavelength (2021-2026)

2.3.5.2 Global Magneto-Optic Isolator Revenue and Market Share by Operating Wavelength (2021-2026)

2.3.5.3 Global Magneto-Optic Isolator Sale Price by Operating Wavelength (2021-2026)

2.4 Magneto-Optic Isolator Segment by Power Handling

2.4.1 Low-Power Isolator

2.4.2 Medium-Power Isolator

2.4.3 High-Power Isolator

2.4.4 Ultra-High-Power Isolator

2.4.5 Magneto-Optic Isolator Sales by Power Handling

2.4.5.1 Global Magneto-Optic Isolator Sales Market Share by Power Handling (2021-2026)

2.4.5.2 Global Magneto-Optic Isolator Revenue and Market Share by Power Handling (2021-2026)

2.4.5.3 Global Magneto-Optic Isolator Sale Price by Power Handling (2021-2026)

2.5 Magneto-Optic Isolator Segment by Application

2.5.1 Telecommunications & Data Centers

2.5.2 Consumer Electronics

2.5.3 Industrial Manufacturing

2.5.4 Military & Defense

2.5.5 Others

2.5.6 Magneto-Optic Isolator Sales by Application

2.5.6.1 Global Magneto-Optic Isolator Sale Market Share by Application (2021-2026)

2.5.6.2 Global Magneto-Optic Isolator Revenue and Market Share by Application (2021-2026)

2.5.6.3 Global Magneto-Optic Isolator Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

3.1 Global Magneto-Optic Isolator Breakdown Data by Company

3.1.1 Global Magneto-Optic Isolator Annual Sales by Company (2021-2026)

3.1.2 Global Magneto-Optic Isolator Sales Market Share by Company (2021-2026)

3.2 Global Magneto-Optic Isolator Annual Revenue by Company (2021-2026)

3.2.1 Global Magneto-Optic Isolator Revenue by Company (2021-2026)

3.2.2 Global Magneto-Optic Isolator Revenue Market Share by Company (2021-2026)

3.3 Global Magneto-Optic Isolator Sale Price by Company

3.4 Key Manufacturers Magneto-Optic Isolator Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Magneto-Optic Isolator Product Location Distribution

- 3.4.2 Players Magneto-Optic Isolator Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

## **4 WORLD HISTORIC REVIEW FOR MAGNETO-OPTIC ISOLATOR BY GEOGRAPHIC REGION**

- 4.1 World Historic Magneto-Optic Isolator Market Size by Geographic Region (2021-2026)
  - 4.1.1 Global Magneto-Optic Isolator Annual Sales by Geographic Region (2021-2026)
  - 4.1.2 Global Magneto-Optic Isolator Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Magneto-Optic Isolator Market Size by Country/Region (2021-2026)
  - 4.2.1 Global Magneto-Optic Isolator Annual Sales by Country/Region (2021-2026)
  - 4.2.2 Global Magneto-Optic Isolator Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Magneto-Optic Isolator Sales Growth
- 4.4 APAC Magneto-Optic Isolator Sales Growth
- 4.5 Europe Magneto-Optic Isolator Sales Growth
- 4.6 Middle East & Africa Magneto-Optic Isolator Sales Growth

## **5 AMERICAS**

- 5.1 Americas Magneto-Optic Isolator Sales by Country
  - 5.1.1 Americas Magneto-Optic Isolator Sales by Country (2021-2026)
  - 5.1.2 Americas Magneto-Optic Isolator Revenue by Country (2021-2026)
- 5.2 Americas Magneto-Optic Isolator Sales by Package Type (2021-2026)
- 5.3 Americas Magneto-Optic Isolator Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Magneto-Optic Isolator Sales by Region
  - 6.1.1 APAC Magneto-Optic Isolator Sales by Region (2021-2026)

- 6.1.2 APAC Magneto-Optic Isolator Revenue by Region (2021-2026)
- 6.2 APAC Magneto-Optic Isolator Sales by Package Type (2021-2026)
- 6.3 APAC Magneto-Optic Isolator Sales by Application (2021-2026)
- 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 Magneto-Optic Isolator by Country
  - 7.1.1 Europe Magneto-Optic Isolator Sales by Country (2021-2026)
  - 7.1.2 Europe Magneto-Optic Isolator Revenue by Country (2021-2026)
- 7.2 Europe Magneto-Optic Isolator Sales by Package Type (2021-2026)
- 7.3 Europe Magneto-Optic Isolator Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Magneto-Optic Isolator by Country
  - 8.1.1 Middle East & Africa Magneto-Optic Isolator Sales by Country (2021-2026)
  - 8.1.2 Middle East & Africa Magneto-Optic Isolator Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Magneto-Optic Isolator Sales by Package Type (2021-2026)
- 8.3 Middle East & Africa Magneto-Optic Isolator Sales by Application (2021-2026)
- 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 Magneto-Optic Isolator
- 10.3 Manufacturing Process Analysis of Magneto-Optic Isolator
- 10.4 Industry Chain Structure of Magneto-Optic Isolator

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Magneto-Optic Isolator Distributors
- 11.3 Magneto-Optic Isolator Customer

## **12 WORLD FORECAST REVIEW FOR MAGNETO-OPTIC ISOLATOR BY GEOGRAPHIC REGION**

- 12.1 Global Magneto-Optic Isolator Market Size Forecast by Region
  - 12.1.1 Global Magneto-Optic Isolator Forecast by Region (2027-2032)
  - 12.1.2 Global Magneto-Optic Isolator Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Magneto-Optic Isolator Forecast by Package Type (2027-2032)
- 12.7 Global Magneto-Optic Isolator Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Thorlabs, Inc.
  - 13.1.1 Thorlabs, Inc. Company Information
  - 13.1.2 Thorlabs, Inc. Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.1.3 Thorlabs, Inc. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin

(2021-2026)

13.1.4 Thorlabs, Inc. Main Business Overview

13.1.5 Thorlabs, Inc. Latest Developments

13.2 WaveSource Photonics, Inc.

13.2.1 WaveSource Photonics, Inc. Company Information

13.2.2 WaveSource Photonics, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

13.2.3 WaveSource Photonics, Inc. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 WaveSource Photonics, Inc. Main Business Overview

13.2.5 WaveSource Photonics, Inc. Latest Developments

13.3 AC Photonics, Inc.

13.3.1 AC Photonics, Inc. Company Information

13.3.2 AC Photonics, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

13.3.3 AC Photonics, Inc. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 AC Photonics, Inc. Main Business Overview

13.3.5 AC Photonics, Inc. Latest Developments

13.4 OZ Optics Ltd.

13.4.1 OZ Optics Ltd. Company Information

13.4.2 OZ Optics Ltd. Magneto-Optic Isolator Product Portfolios and Specifications

13.4.3 OZ Optics Ltd. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 OZ Optics Ltd. Main Business Overview

13.4.5 OZ Optics Ltd. Latest Developments

13.5 General Photonics Corporation

13.5.1 General Photonics Corporation Company Information

13.5.2 General Photonics Corporation Magneto-Optic Isolator Product Portfolios and Specifications

13.5.3 General Photonics Corporation Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 General Photonics Corporation Main Business Overview

13.5.5 General Photonics Corporation Latest Developments

13.6 Molex

13.6.1 Molex Company Information

13.6.2 Molex Magneto-Optic Isolator Product Portfolios and Specifications

13.6.3 Molex Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Molex Main Business Overview

- 13.6.5 Molex Latest Developments
- 13.7 O?Net Technologies
  - 13.7.1 O?Net Technologies Company Information
  - 13.7.2 O?Net Technologies Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.7.3 O?Net Technologies Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.7.4 O?Net Technologies Main Business Overview
  - 13.7.5 O?Net Technologies Latest Developments
- 13.8 Flyin Optronics Co., Ltd.
  - 13.8.1 Flyin Optronics Co., Ltd. Company Information
  - 13.8.2 Flyin Optronics Co., Ltd. Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.8.3 Flyin Optronics Co., Ltd. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.8.4 Flyin Optronics Co., Ltd. Main Business Overview
  - 13.8.5 Flyin Optronics Co., Ltd. Latest Developments
- 13.9 Electro?Optics Technology, Inc.
  - 13.9.1 Electro?Optics Technology, Inc. Company Information
  - 13.9.2 Electro?Optics Technology, Inc. Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.9.3 Electro?Optics Technology, Inc. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.9.4 Electro?Optics Technology, Inc. Main Business Overview
  - 13.9.5 Electro?Optics Technology, Inc. Latest Developments
- 13.10 Agiltron, Inc.
  - 13.10.1 Agiltron, Inc. Company Information
  - 13.10.2 Agiltron, Inc. Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.10.3 Agiltron, Inc. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.10.4 Agiltron, Inc. Main Business Overview
  - 13.10.5 Agiltron, Inc. Latest Developments
- 13.11 Finisar Corporation
  - 13.11.1 Finisar Corporation Company Information
  - 13.11.2 Finisar Corporation Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.11.3 Finisar Corporation Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.11.4 Finisar Corporation Main Business Overview

- 13.11.5 Finisar Corporation Latest Developments
- 13.12 II?VI Incorporated
  - 13.12.1 II?VI Incorporated Company Information
  - 13.12.2 II?VI Incorporated Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.12.3 II?VI Incorporated Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.12.4 II?VI Incorporated Main Business Overview
  - 13.12.5 II?VI Incorporated Latest Developments
- 13.13 Corning Incorporated
  - 13.13.1 Corning Incorporated Company Information
  - 13.13.2 Corning Incorporated Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.13.3 Corning Incorporated Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.13.4 Corning Incorporated Main Business Overview
  - 13.13.5 Corning Incorporated Latest Developments
- 13.14 Altechna Co., Ltd.
  - 13.14.1 Altechna Co., Ltd. Company Information
  - 13.14.2 Altechna Co., Ltd. Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.14.3 Altechna Co., Ltd. Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.14.4 Altechna Co., Ltd. Main Business Overview
  - 13.14.5 Altechna Co., Ltd. Latest Developments
- 13.15 Optek Technology
  - 13.15.1 Optek Technology Company Information
  - 13.15.2 Optek Technology Magneto-Optic Isolator Product Portfolios and Specifications
  - 13.15.3 Optek Technology Magneto-Optic Isolator Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.15.4 Optek Technology Main Business Overview
  - 13.15.5 Optek Technology Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Magneto-Optic Isolator Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Magneto-Optic Isolator Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Fiber Isolator

Table 4. Major Players of Free-Space Isolator

Table 5. Major Players of Module Isolator

Table 6. Global Magneto-Optic Isolator Sales by Package Type (2021-2026) & (Units)

Table 7. Global Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)

Table 8. Global Magneto-Optic Isolator Revenue by Package Type (2021-2026) & (\$ million)

Table 9. Global Magneto-Optic Isolator Revenue Market Share by Package Type (2021-2026)

Table 10. Global Magneto-Optic Isolator Sale Price by Package Type (2021-2026) & (K US\$/Unit)

Table 11. Major Players of Telecom Band Isolator

Table 12. Major Players of Near-Infrared Isolator

Table 13. Major Players of Visible Light Isolator

Table 14. Major Players of Broadband Isolator

Table 15. Global Magneto-Optic Isolator Sales by Operating Wavelength (2021-2026) & (Units)

Table 16. Global Magneto-Optic Isolator Sales Market Share by Operating Wavelength (2021-2026)

Table 17. Global Magneto-Optic Isolator Revenue by Operating Wavelength (2021-2026) & (\$ million)

Table 18. Global Magneto-Optic Isolator Revenue Market Share by Operating Wavelength (2021-2026)

Table 19. Global Magneto-Optic Isolator Sale Price by Operating Wavelength (2021-2026) & (K US\$/Unit)

Table 20. Major Players of Low-Power Isolator

Table 21. Major Players of Medium-Power Isolator

Table 22. Major Players of High-Power Isolator

Table 23. Major Players of Ultra-High-Power Isolator

Table 24. Global Magneto-Optic Isolator Sales by Power Handling (2021-2026) &

(Units)

Table 25. Global Magneto-Optic Isolator Sales Market Share by Power Handling (2021-2026)

Table 26. Global Magneto-Optic Isolator Revenue by Power Handling (2021-2026) & (\$ million)

Table 27. Global Magneto-Optic Isolator Revenue Market Share by Power Handling (2021-2026)

Table 28. Global Magneto-Optic Isolator Sale Price by Power Handling (2021-2026) & (K US\$/Unit)

Table 29. Global Magneto-Optic Isolator Sale by Application (2021-2026) & (Units)

Table 30. Global Magneto-Optic Isolator Sale Market Share by Application (2021-2026)

Table 31. Global Magneto-Optic Isolator Revenue by Application (2021-2026) & (\$ million)

Table 32. Global Magneto-Optic Isolator Revenue Market Share by Application (2021-2026)

Table 33. Global Magneto-Optic Isolator Sale Price by Application (2021-2026) & (K US\$/Unit)

Table 34. Global Magneto-Optic Isolator Sales by Company (2021-2026) & (Units)

Table 35. Global Magneto-Optic Isolator Sales Market Share by Company (2021-2026)

Table 36. Global Magneto-Optic Isolator Revenue by Company (2021-2026) & (\$ millions)

Table 37. Global Magneto-Optic Isolator Revenue Market Share by Company (2021-2026)

Table 38. Global Magneto-Optic Isolator Sale Price by Company (2021-2026) & (K US\$/Unit)

Table 39. Key Manufacturers Magneto-Optic Isolator Producing Area Distribution and Sales Area

Table 40. Players Magneto-Optic Isolator Products Offered

Table 41. Magneto-Optic Isolator Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 42. New Products and Potential Entrants

Table 43. Market M&A Activity & Strategy

Table 44. Global Magneto-Optic Isolator Sales by Geographic Region (2021-2026) & (Units)

Table 45. Global Magneto-Optic Isolator Sales Market Share Geographic Region (2021-2026)

Table 46. Global Magneto-Optic Isolator Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 47. Global Magneto-Optic Isolator Revenue Market Share by Geographic Region

(2021-2026)

Table 48. Global Magneto-Optic Isolator Sales by Country/Region (2021-2026) & (Units)

Table 49. Global Magneto-Optic Isolator Sales Market Share by Country/Region (2021-2026)

Table 50. Global Magneto-Optic Isolator Revenue by Country/Region (2021-2026) & (\$ millions)

Table 51. Global Magneto-Optic Isolator Revenue Market Share by Country/Region (2021-2026)

Table 52. Americas Magneto-Optic Isolator Sales by Country (2021-2026) & (Units)

Table 53. Americas Magneto-Optic Isolator Sales Market Share by Country (2021-2026)

Table 54. Americas Magneto-Optic Isolator Revenue by Country (2021-2026) & (\$ millions)

Table 55. Americas Magneto-Optic Isolator Sales by Package Type (2021-2026) & (Units)

Table 56. Americas Magneto-Optic Isolator Sales by Application (2021-2026) & (Units)

Table 57. APAC Magneto-Optic Isolator Sales by Region (2021-2026) & (Units)

Table 58. APAC Magneto-Optic Isolator Sales Market Share by Region (2021-2026)

Table 59. APAC Magneto-Optic Isolator Revenue by Region (2021-2026) & (\$ millions)

Table 60. APAC Magneto-Optic Isolator Sales by Package Type (2021-2026) & (Units)

Table 61. APAC Magneto-Optic Isolator Sales by Application (2021-2026) & (Units)

Table 62. Europe Magneto-Optic Isolator Sales by Country (2021-2026) & (Units)

Table 63. Europe Magneto-Optic Isolator Revenue by Country (2021-2026) & (\$ millions)

Table 64. Europe Magneto-Optic Isolator Sales by Package Type (2021-2026) & (Units)

Table 65. Europe Magneto-Optic Isolator Sales by Application (2021-2026) & (Units)

Table 66. Middle East & Africa Magneto-Optic Isolator Sales by Country (2021-2026) & (Units)

Table 67. Middle East & Africa Magneto-Optic Isolator Revenue Market Share by Country (2021-2026)

Table 68. Middle East & Africa Magneto-Optic Isolator Sales by Package Type (2021-2026) & (Units)

Table 69. Middle East & Africa Magneto-Optic Isolator Sales by Application (2021-2026) & (Units)

Table 70. Key Market Drivers & Growth Opportunities of Magneto-Optic Isolator

Table 71. Key Market Challenges & Risks of Magneto-Optic Isolator

Table 72. Key Industry Trends of Magneto-Optic Isolator

Table 73. Magneto-Optic Isolator Raw Material

Table 74. Key Suppliers of Raw Materials

Table 75. Magneto-Optic Isolator Distributors List

Table 76. Magneto-Optic Isolator Customer List

Table 77. Global Magneto-Optic Isolator Sales Forecast by Region (2027-2032) & (Units)

Table 78. Global Magneto-Optic Isolator Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 79. Americas Magneto-Optic Isolator Sales Forecast by Country (2027-2032) & (Units)

Table 80. Americas Magneto-Optic Isolator Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 81. APAC Magneto-Optic Isolator Sales Forecast by Region (2027-2032) & (Units)

Table 82. APAC Magneto-Optic Isolator Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 83. Europe Magneto-Optic Isolator Sales Forecast by Country (2027-2032) & (Units)

Table 84. Europe Magneto-Optic Isolator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 85. Middle East & Africa Magneto-Optic Isolator Sales Forecast by Country (2027-2032) & (Units)

Table 86. Middle East & Africa Magneto-Optic Isolator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 87. Global Magneto-Optic Isolator Sales Forecast by Package Type (2027-2032) & (Units)

Table 88. Global Magneto-Optic Isolator Revenue Forecast by Package Type (2027-2032) & (\$ millions)

Table 89. Global Magneto-Optic Isolator Sales Forecast by Application (2027-2032) & (Units)

Table 90. Global Magneto-Optic Isolator Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 91. Thorlabs, Inc. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 92. Thorlabs, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

Table 93. Thorlabs, Inc. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 94. Thorlabs, Inc. Main Business

Table 95. Thorlabs, Inc. Latest Developments

Table 96. WaveSource Photonics, Inc. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 97. WaveSource Photonics, Inc. Magneto-Optic Isolator Product Portfolios and

## Specifications

Table 98. WaveSource Photonics, Inc. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 99. WaveSource Photonics, Inc. Main Business

Table 100. WaveSource Photonics, Inc. Latest Developments

Table 101. AC Photonics, Inc. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 102. AC Photonics, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

Table 103. AC Photonics, Inc. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 104. AC Photonics, Inc. Main Business

Table 105. AC Photonics, Inc. Latest Developments

Table 106. OZ Optics Ltd. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 107. OZ Optics Ltd. Magneto-Optic Isolator Product Portfolios and Specifications

Table 108. OZ Optics Ltd. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 109. OZ Optics Ltd. Main Business

Table 110. OZ Optics Ltd. Latest Developments

Table 111. General Photonics Corporation Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 112. General Photonics Corporation Magneto-Optic Isolator Product Portfolios and Specifications

Table 113. General Photonics Corporation Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 114. General Photonics Corporation Main Business

Table 115. General Photonics Corporation Latest Developments

Table 116. Molex Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 117. Molex Magneto-Optic Isolator Product Portfolios and Specifications

Table 118. Molex Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 119. Molex Main Business

Table 120. Molex Latest Developments

Table 121. O?Net Technologies Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 122. O?Net Technologies Magneto-Optic Isolator Product Portfolios and Specifications

Table 123. O?Net Technologies Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 124. O?Net Technologies Main Business

Table 125. O?Net Technologies Latest Developments

Table 126. Flyin Optronics Co., Ltd. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 127. Flyin Optronics Co., Ltd. Magneto-Optic Isolator Product Portfolios and Specifications

Table 128. Flyin Optronics Co., Ltd. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 129. Flyin Optronics Co., Ltd. Main Business

Table 130. Flyin Optronics Co., Ltd. Latest Developments

Table 131. Electro?Optics Technology, Inc. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 132. Electro?Optics Technology, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

Table 133. Electro?Optics Technology, Inc. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 134. Electro?Optics Technology, Inc. Main Business

Table 135. Electro?Optics Technology, Inc. Latest Developments

Table 136. Agiltron, Inc. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 137. Agiltron, Inc. Magneto-Optic Isolator Product Portfolios and Specifications

Table 138. Agiltron, Inc. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 139. Agiltron, Inc. Main Business

Table 140. Agiltron, Inc. Latest Developments

Table 141. Finisar Corporation Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 142. Finisar Corporation Magneto-Optic Isolator Product Portfolios and Specifications

Table 143. Finisar Corporation Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 144. Finisar Corporation Main Business

Table 145. Finisar Corporation Latest Developments

Table 146. II?VI Incorporated Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 147. II?VI Incorporated Magneto-Optic Isolator Product Portfolios and Specifications

Table 148. II?VI Incorporated Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 149. II?VI Incorporated Main Business

Table 150. II?VI Incorporated Latest Developments

Table 151. Corning Incorporated Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 152. Corning Incorporated Magneto-Optic Isolator Product Portfolios and Specifications

Table 153. Corning Incorporated Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 154. Corning Incorporated Main Business

Table 155. Corning Incorporated Latest Developments

Table 156. Altechna Co., Ltd. Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 157. Altechna Co., Ltd. Magneto-Optic Isolator Product Portfolios and Specifications

Table 158. Altechna Co., Ltd. Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 159. Altechna Co., Ltd. Main Business

Table 160. Altechna Co., Ltd. Latest Developments

Table 161. Optek Technology Basic Information, Magneto-Optic Isolator Manufacturing Base, Sales Area and Its Competitors

Table 162. Optek Technology Magneto-Optic Isolator Product Portfolios and Specifications

Table 163. Optek Technology Magneto-Optic Isolator Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2021-2026)

Table 164. Optek Technology Main Business

Table 165. Optek Technology Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Magneto-Optic Isolator
- Figure 2. Magneto-Optic Isolator Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Magneto-Optic Isolator Sales Growth Rate 2021-2032 (Units)
- Figure 7. Global Magneto-Optic Isolator Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Magneto-Optic Isolator Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Magneto-Optic Isolator Sales Market Share by Country/Region (2025)
- Figure 10. Magneto-Optic Isolator Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Fiber Isolator
- Figure 12. Product Picture of Free-Space Isolator
- Figure 13. Product Picture of Module Isolator
- Figure 14. Global Magneto-Optic Isolator Sales Market Share by Package Type in 2026
- Figure 15. Global Magneto-Optic Isolator Revenue Market Share by Package Type (2021-2026)
- Figure 16. Product Picture of Telecom Band Isolator
- Figure 17. Product Picture of Near-Infrared Isolator
- Figure 18. Product Picture of Visible Light Isolator
- Figure 19. Product Picture of Broadband Isolator
- Figure 20. Global Magneto-Optic Isolator Sales Market Share by Operating Wavelength in 2026
- Figure 21. Global Magneto-Optic Isolator Revenue Market Share by Operating Wavelength (2021-2026)
- Figure 22. Product Picture of Low-Power Isolator
- Figure 23. Product Picture of Medium-Power Isolator
- Figure 24. Product Picture of High-Power Isolator
- Figure 25. Product Picture of Ultra-High-Power Isolator
- Figure 26. Global Magneto-Optic Isolator Sales Market Share by Power Handling in 2026
- Figure 27. Global Magneto-Optic Isolator Revenue Market Share by Power Handling (2021-2026)
- Figure 28. Magneto-Optic Isolator Consumed in Telecommunications & Data Centers

Figure 29. Global Magneto-Optic Isolator Market: Telecommunications & Data Centers (2021-2026) & (Units)

Figure 30. Magneto-Optic Isolator Consumed in Consumer Electronics

Figure 31. Global Magneto-Optic Isolator Market: Consumer Electronics (2021-2026) & (Units)

Figure 32. Magneto-Optic Isolator Consumed in Industrial Manufacturing

Figure 33. Global Magneto-Optic Isolator Market: Industrial Manufacturing (2021-2026) & (Units)

Figure 34. Magneto-Optic Isolator Consumed in Military & Defense

Figure 35. Global Magneto-Optic Isolator Market: Military & Defense (2021-2026) & (Units)

Figure 36. Magneto-Optic Isolator Consumed in Others

Figure 37. Global Magneto-Optic Isolator Market: Others (2021-2026) & (Units)

Figure 38. Global Magneto-Optic Isolator Sale Market Share by Application (2025)

Figure 39. Global Magneto-Optic Isolator Revenue Market Share by Application in 2025

Figure 40. Magneto-Optic Isolator Sales by Company in 2025 (Units)

Figure 41. Global Magneto-Optic Isolator Sales Market Share by Company in 2025

Figure 42. Magneto-Optic Isolator Revenue by Company in 2025 (\$ millions)

Figure 43. Global Magneto-Optic Isolator Revenue Market Share by Company in 2025

Figure 44. Global Magneto-Optic Isolator Sales Market Share by Geographic Region (2021-2026)

Figure 45. Global Magneto-Optic Isolator Revenue Market Share by Geographic Region in 2025

Figure 46. Americas Magneto-Optic Isolator Sales 2021-2026 (Units)

Figure 47. Americas Magneto-Optic Isolator Revenue 2021-2026 (\$ millions)

Figure 48. APAC Magneto-Optic Isolator Sales 2021-2026 (Units)

Figure 49. APAC Magneto-Optic Isolator Revenue 2021-2026 (\$ millions)

Figure 50. Europe Magneto-Optic Isolator Sales 2021-2026 (Units)

Figure 51. Europe Magneto-Optic Isolator Revenue 2021-2026 (\$ millions)

Figure 52. Middle East & Africa Magneto-Optic Isolator Sales 2021-2026 (Units)

Figure 53. Middle East & Africa Magneto-Optic Isolator Revenue 2021-2026 (\$ millions)

Figure 54. Americas Magneto-Optic Isolator Sales Market Share by Country in 2025

Figure 55. Americas Magneto-Optic Isolator Revenue Market Share by Country (2021-2026)

Figure 56. Americas Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)

Figure 57. Americas Magneto-Optic Isolator Sales Market Share by Application (2021-2026)

Figure 58. United States Magneto-Optic Isolator Revenue Growth 2021-2026 (\$

millions)

Figure 59. Canada Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 60. Mexico Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 61. Brazil Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 62. APAC Magneto-Optic Isolator Sales Market Share by Region in 2025

Figure 63. APAC Magneto-Optic Isolator Revenue Market Share by Region (2021-2026)

Figure 64. APAC Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)

Figure 65. APAC Magneto-Optic Isolator Sales Market Share by Application (2021-2026)

Figure 66. China Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 67. Japan Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 68. South Korea Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 69. Southeast Asia Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 70. India Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 71. Australia Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 72. China Taiwan Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 73. Europe Magneto-Optic Isolator Sales Market Share by Country in 2025

Figure 74. Europe Magneto-Optic Isolator Revenue Market Share by Country (2021-2026)

Figure 75. Europe Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)

Figure 76. Europe Magneto-Optic Isolator Sales Market Share by Application (2021-2026)

Figure 77. Germany Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 78. France Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 79. UK Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 80. Italy Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 81. Russia Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 82. Middle East & Africa Magneto-Optic Isolator Sales Market Share by Country (2021-2026)

Figure 83. Middle East & Africa Magneto-Optic Isolator Sales Market Share by Package Type (2021-2026)

Figure 84. Middle East & Africa Magneto-Optic Isolator Sales Market Share by Application (2021-2026)

Figure 85. Egypt Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 86. South Africa Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 87. Israel Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 88. Turkey Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 89. GCC Countries Magneto-Optic Isolator Revenue Growth 2021-2026 (\$ millions)

Figure 90. Manufacturing Cost Structure Analysis of Magneto-Optic Isolator in 2026

Figure 91. Manufacturing Process Analysis of Magneto-Optic Isolator

Figure 92. Industry Chain Structure of Magneto-Optic Isolator

Figure 93. Channels of Distribution

Figure 94. Global Magneto-Optic Isolator Sales Market Forecast by Region (2027-2032)

Figure 95. Global Magneto-Optic Isolator Revenue Market Share Forecast by Region (2027-2032)

Figure 96. Global Magneto-Optic Isolator Sales Market Share Forecast by Package Type (2027-2032)

Figure 97. Global Magneto-Optic Isolator Revenue Market Share Forecast by Package Type (2027-2032)

Figure 98. Global Magneto-Optic Isolator Sales Market Share Forecast by Application (2027-2032)

Figure 99. Global Magneto-Optic Isolator Revenue Market Share Forecast by Application (2027-2032)

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