

Global Automotive Magnetic Sensor Module Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Automotive Magnetic Sensor Module competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. The automotive magnetic sensor module is an integrated electronic device based on the principles of Hall effect, anisotropic magnetoresistance, giant magnetoresistance or tunnel magnetoresistance. It detects changes in the magnetic field to achieve non-contact measurement of physical quantities such as position, speed, angle, current, etc. It is widely used in core scenarios such as engine management system, anti-lock braking system, motor control, speed sensing, electric seat adjustment, intelligent window anti-pinch function, etc. It has the advantages of high sensitivity, low power consumption, anti-electromagnetic interference, extreme environment resistance and long life. Its technological development promotes the safety and efficiency of automatic driving and intelligent functions of new energy vehicles.

The global Automotive Magnetic Sensor Module market size was estimated at USD 535.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 7.10% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Automotive Magnetic Sensor Module market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the

industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Automotive Magnetic Sensor Module market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Automotive Magnetic Sensor Module market.

Global Automotive Magnetic Sensor Module Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Allegro
Infineon
AKM
Melexis
TDK
Zhuzhou CRRC Times Electric
BYD Semiconductor

Shanghai Baolong Automotive Corporation
MultiDimension Technology
Sinomags Technology
Suzhou Novosense Microelectronics

Market Segmentation (by Type)

Hall Sensor Module
Magnetoresistive Sensor Module

Market Segmentation (by Application)

Passenger Cars
Commercial Vehicles

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Automotive Magnetic Sensor Module Market

Overview of the regional outlook of the Automotive Magnetic Sensor Module Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Automotive Magnetic Sensor Module Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future

development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Automotive Magnetic Sensor Module, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the

region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Automotive Magnetic Sensor Module
- 1.2 Key Market Segments
 - 1.2.1 Automotive Magnetic Sensor Module Segment by Type
 - 1.2.2 Automotive Magnetic Sensor Module Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Automotive Magnetic Sensor Module Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Automotive Magnetic Sensor Module Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Automotive Magnetic Sensor Module Product Life Cycle
- 3.3 Global Automotive Magnetic Sensor Module Sales by Manufacturers (2020-2025)
- 3.4 Global Automotive Magnetic Sensor Module Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Automotive Magnetic Sensor Module Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Automotive Magnetic Sensor Module Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Automotive Magnetic Sensor Module Market Competitive Situation and Trends

- 3.8.1 Automotive Magnetic Sensor Module Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest Automotive Magnetic Sensor Module Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 AUTOMOTIVE MAGNETIC SENSOR MODULE INDUSTRY CHAIN ANALYSIS

- 4.1 Automotive Magnetic Sensor Module Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Automotive Magnetic Sensor Module Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Automotive Magnetic Sensor Module Market
- 5.7 ESG Ratings of Leading Companies

6 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Automotive Magnetic Sensor Module Sales Market Share by Type (2020-2025)

6.3 Global Automotive Magnetic Sensor Module Market Size by Type (2020-2025)

6.4 Global Automotive Magnetic Sensor Module Price by Type (2020-2025)

7 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Automotive Magnetic Sensor Module Market Sales by Application (2020-2025)

7.3 Global Automotive Magnetic Sensor Module Market Size (M USD) by Application (2020-2025)

7.4 Global Automotive Magnetic Sensor Module Sales Growth Rate by Application (2020-2025)

8 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET SALES BY REGION

8.1 Global Automotive Magnetic Sensor Module Sales by Region

8.1.1 Global Automotive Magnetic Sensor Module Sales by Region

8.1.2 Global Automotive Magnetic Sensor Module Sales Market Share by Region

8.2 Global Automotive Magnetic Sensor Module Market Size by Region

8.2.1 Global Automotive Magnetic Sensor Module Market Size by Region

8.2.2 Global Automotive Magnetic Sensor Module Market Size by Region

8.3 North America

8.3.1 North America Automotive Magnetic Sensor Module Sales by Country

8.3.2 North America Automotive Magnetic Sensor Module Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Automotive Magnetic Sensor Module Sales by Country

8.4.2 Europe Automotive Magnetic Sensor Module Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

- 8.5.1 Asia Pacific Automotive Magnetic Sensor Module Sales by Region
- 8.5.2 Asia Pacific Automotive Magnetic Sensor Module Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Automotive Magnetic Sensor Module Sales by Country
 - 8.6.2 South America Automotive Magnetic Sensor Module Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Automotive Magnetic Sensor Module Sales by Region
 - 8.7.2 Middle East and Africa Automotive Magnetic Sensor Module Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET PRODUCTION BY REGION

- 9.1 Global Production of Automotive Magnetic Sensor Module by Region(2020-2025)
- 9.2 Global Automotive Magnetic Sensor Module Revenue Market Share by Region (2020-2025)
- 9.3 Global Automotive Magnetic Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Automotive Magnetic Sensor Module Production
 - 9.4.1 North America Automotive Magnetic Sensor Module Production Growth Rate (2020-2025)
 - 9.4.2 North America Automotive Magnetic Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Automotive Magnetic Sensor Module Production
 - 9.5.1 Europe Automotive Magnetic Sensor Module Production Growth Rate (2020-2025)

9.5.2 Europe Automotive Magnetic Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Automotive Magnetic Sensor Module Production (2020-2025)

9.6.1 Japan Automotive Magnetic Sensor Module Production Growth Rate (2020-2025)

9.6.2 Japan Automotive Magnetic Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Automotive Magnetic Sensor Module Production (2020-2025)

9.7.1 China Automotive Magnetic Sensor Module Production Growth Rate (2020-2025)

9.7.2 China Automotive Magnetic Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Allegro

10.1.1 Allegro Basic Information

10.1.2 Allegro Automotive Magnetic Sensor Module Product Overview

10.1.3 Allegro Automotive Magnetic Sensor Module Product Market Performance

10.1.4 Allegro Business Overview

10.1.5 Allegro SWOT Analysis

10.1.6 Allegro Recent Developments

10.2 Infineon

10.2.1 Infineon Basic Information

10.2.2 Infineon Automotive Magnetic Sensor Module Product Overview

10.2.3 Infineon Automotive Magnetic Sensor Module Product Market Performance

10.2.4 Infineon Business Overview

10.2.5 Infineon SWOT Analysis

10.2.6 Infineon Recent Developments

10.3 AKM

10.3.1 AKM Basic Information

10.3.2 AKM Automotive Magnetic Sensor Module Product Overview

10.3.3 AKM Automotive Magnetic Sensor Module Product Market Performance

10.3.4 AKM Business Overview

10.3.5 AKM SWOT Analysis

10.3.6 AKM Recent Developments

10.4 Melexis

10.4.1 Melexis Basic Information

10.4.2 Melexis Automotive Magnetic Sensor Module Product Overview

10.4.3 Melexis Automotive Magnetic Sensor Module Product Market Performance

- 10.4.4 Melexis Business Overview
- 10.4.5 Melexis Recent Developments
- 10.5 TDK
 - 10.5.1 TDK Basic Information
 - 10.5.2 TDK Automotive Magnetic Sensor Module Product Overview
 - 10.5.3 TDK Automotive Magnetic Sensor Module Product Market Performance
 - 10.5.4 TDK Business Overview
 - 10.5.5 TDK Recent Developments
- 10.6 Zhuzhou CRRC Times Electric
 - 10.6.1 Zhuzhou CRRC Times Electric Basic Information
 - 10.6.2 Zhuzhou CRRC Times Electric Automotive Magnetic Sensor Module Product Overview
 - 10.6.3 Zhuzhou CRRC Times Electric Automotive Magnetic Sensor Module Product Market Performance
 - 10.6.4 Zhuzhou CRRC Times Electric Business Overview
 - 10.6.5 Zhuzhou CRRC Times Electric Recent Developments
- 10.7 BYD Semiconductor
 - 10.7.1 BYD Semiconductor Basic Information
 - 10.7.2 BYD Semiconductor Automotive Magnetic Sensor Module Product Overview
 - 10.7.3 BYD Semiconductor Automotive Magnetic Sensor Module Product Market Performance
 - 10.7.4 BYD Semiconductor Business Overview
 - 10.7.5 BYD Semiconductor Recent Developments
- 10.8 Shanghai Baolong Automotive Corporation
 - 10.8.1 Shanghai Baolong Automotive Corporation Basic Information
 - 10.8.2 Shanghai Baolong Automotive Corporation Automotive Magnetic Sensor Module Product Overview
 - 10.8.3 Shanghai Baolong Automotive Corporation Automotive Magnetic Sensor Module Product Market Performance
 - 10.8.4 Shanghai Baolong Automotive Corporation Business Overview
 - 10.8.5 Shanghai Baolong Automotive Corporation Recent Developments
- 10.9 MultiDimension Technology
 - 10.9.1 MultiDimension Technology Basic Information
 - 10.9.2 MultiDimension Technology Automotive Magnetic Sensor Module Product Overview
 - 10.9.3 MultiDimension Technology Automotive Magnetic Sensor Module Product Market Performance
 - 10.9.4 MultiDimension Technology Business Overview
 - 10.9.5 MultiDimension Technology Recent Developments

10.10 Sinomags Technology

10.10.1 Sinomags Technology Basic Information

10.10.2 Sinomags Technology Automotive Magnetic Sensor Module Product Overview

10.10.3 Sinomags Technology Automotive Magnetic Sensor Module Product Market Performance

10.10.4 Sinomags Technology Business Overview

10.10.5 Sinomags Technology Recent Developments

10.11 Suzhou Novosense Microelectronics

10.11.1 Suzhou Novosense Microelectronics Basic Information

10.11.2 Suzhou Novosense Microelectronics Automotive Magnetic Sensor Module Product Overview

10.11.3 Suzhou Novosense Microelectronics Automotive Magnetic Sensor Module Product Market Performance

10.11.4 Suzhou Novosense Microelectronics Business Overview

10.11.5 Suzhou Novosense Microelectronics Recent Developments

11 AUTOMOTIVE MAGNETIC SENSOR MODULE MARKET FORECAST BY REGION

11.1 Global Automotive Magnetic Sensor Module Market Size Forecast

11.2 Global Automotive Magnetic Sensor Module Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Automotive Magnetic Sensor Module Market Size Forecast by Country

11.2.3 Asia Pacific Automotive Magnetic Sensor Module Market Size Forecast by Region

11.2.4 South America Automotive Magnetic Sensor Module Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Automotive Magnetic Sensor Module by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Automotive Magnetic Sensor Module Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Automotive Magnetic Sensor Module by Type (2026-2035)

12.1.2 Global Automotive Magnetic Sensor Module Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Automotive Magnetic Sensor Module by Type (2026-2035)

12.2 Global Automotive Magnetic Sensor Module Market Forecast by Application (2026-2035)

12.2.1 Global Automotive Magnetic Sensor Module Sales (K Units) Forecast by Application

12.2.2 Global Automotive Magnetic Sensor Module Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Global Automotive Magnetic Sensor Module Market Size by Type (M USD)
- Table 4. Global Automotive Magnetic Sensor Module Market Size by Application
- Table 5. Automotive Magnetic Sensor Module Market Size Comparison by Region (M USD)
- Table 6. Global Automotive Magnetic Sensor Module Sales (K Units) by Manufacturers (2020-2025)
- Table 7. Global Automotive Magnetic Sensor Module Sales Market Share by Manufacturers (2020-2025)
- Table 8. Global Automotive Magnetic Sensor Module Revenue (M USD) by Manufacturers (2020-2025)
- Table 9. Global Automotive Magnetic Sensor Module Revenue Share by Manufacturers (2020-2025)
- Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Automotive Magnetic Sensor Module as of 2025)
- Table 11. Global Market Automotive Magnetic Sensor Module Average Price (USD/Unit) of Key Manufacturers (2020-2025)
- Table 12. Manufacturers? Manufacturing Sites, Areas Served
- Table 13. Manufacturers? Product Type
- Table 14. Global Automotive Magnetic Sensor Module Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15. Mergers & Acquisitions, Expansion Plans
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Automotive Magnetic Sensor Module Market Challenges
- Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
- Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
- Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
- Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 26. Global Automotive Magnetic Sensor Module Sales by Type (K Units)

Table 27. Global Automotive Magnetic Sensor Module Market Size by Type (M USD)

Table 28. Global Automotive Magnetic Sensor Module Sales (K Units) by Type (2020-2025)

Table 29. Global Automotive Magnetic Sensor Module Sales Market Share by Type (2020-2025)

Table 30. Global Automotive Magnetic Sensor Module Market Size (M USD) by Type (2020-2025)

Table 31. Global Automotive Magnetic Sensor Module Market Share by Type (2020-2025)

Table 32. Global Automotive Magnetic Sensor Module Price (USD/Unit) by Type (2020-2025)

Table 33. Global Automotive Magnetic Sensor Module Sales (K Units) by Application

Table 34. Global Automotive Magnetic Sensor Module Market Size by Application

Table 35. Global Automotive Magnetic Sensor Module Sales by Application (2020-2025) & (K Units)

Table 36. Global Automotive Magnetic Sensor Module Sales Market Share by Application (2020-2025)

Table 37. Global Automotive Magnetic Sensor Module Market Size by Application (2020-2025) & (M USD)

Table 38. Global Automotive Magnetic Sensor Module Market Share by Application (2020-2025)

Table 39. Global Automotive Magnetic Sensor Module Sales Growth Rate by Application (2020-2025)

Table 40. Global Automotive Magnetic Sensor Module Sales by Region (2020-2025) & (K Units)

Table 41. Global Automotive Magnetic Sensor Module Sales Market Share by Region (2020-2025)

Table 42. Global Automotive Magnetic Sensor Module Market Size by Region (2020-2025) & (M USD)

Table 43. Global Automotive Magnetic Sensor Module Market Size by Region (2020-2025)

Table 44. North America Automotive Magnetic Sensor Module Sales by Country (2020-2025) & (K Units)

Table 45. North America Automotive Magnetic Sensor Module Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Automotive Magnetic Sensor Module Sales by Country (2020-2025) & (K Units)

Table 47. Europe Automotive Magnetic Sensor Module Market Size by Country (2020-2025) & (M USD)

- Table 48. Asia Pacific Automotive Magnetic Sensor Module Sales by Region (2020-2025) & (K Units)
- Table 49. Asia Pacific Automotive Magnetic Sensor Module Market Size by Region (2020-2025) & (M USD)
- Table 50. South America Automotive Magnetic Sensor Module Sales by Country (2020-2025) & (K Units)
- Table 51. South America Automotive Magnetic Sensor Module Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa Automotive Magnetic Sensor Module Sales by Region (2020-2025) & (K Units)
- Table 53. Middle East and Africa Automotive Magnetic Sensor Module Market Size by Region (2020-2025) & (M USD)
- Table 54. Global Automotive Magnetic Sensor Module Production (K Units) by Region(2020-2025)
- Table 55. Global Automotive Magnetic Sensor Module Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global Automotive Magnetic Sensor Module Revenue Market Share by Region (2020-2025)
- Table 57. Global Automotive Magnetic Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 58. North America Automotive Magnetic Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 59. Europe Automotive Magnetic Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 60. Japan Automotive Magnetic Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 61. China Automotive Magnetic Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 62. Allegro Basic Information
- Table 63. Allegro Automotive Magnetic Sensor Module Product Overview
- Table 64. Allegro Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 65. Allegro Business Overview
- Table 66. Allegro SWOT Analysis
- Table 67. Allegro Recent Developments
- Table 68. Infineon Basic Information
- Table 69. Infineon Automotive Magnetic Sensor Module Product Overview
- Table 70. Infineon Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 71. Infineon Business Overview
- Table 72. Infineon SWOT Analysis
- Table 73. Infineon Recent Developments
- Table 74. AKM Basic Information
- Table 75. AKM Automotive Magnetic Sensor Module Product Overview
- Table 76. AKM Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. AKM Business Overview
- Table 78. AKM SWOT Analysis
- Table 79. AKM Recent Developments
- Table 80. Melexis Basic Information
- Table 81. Melexis Automotive Magnetic Sensor Module Product Overview
- Table 82. Melexis Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. Melexis Business Overview
- Table 84. Melexis Recent Developments
- Table 85. TDK Basic Information
- Table 86. TDK Automotive Magnetic Sensor Module Product Overview
- Table 87. TDK Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. TDK Business Overview
- Table 89. TDK Recent Developments
- Table 90. Zhuzhou CRRC Times Electric Basic Information
- Table 91. Zhuzhou CRRC Times Electric Automotive Magnetic Sensor Module Product Overview
- Table 92. Zhuzhou CRRC Times Electric Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Zhuzhou CRRC Times Electric Business Overview
- Table 94. Zhuzhou CRRC Times Electric Recent Developments
- Table 95. BYD Semiconductor Basic Information
- Table 96. BYD Semiconductor Automotive Magnetic Sensor Module Product Overview
- Table 97. BYD Semiconductor Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. BYD Semiconductor Business Overview
- Table 99. BYD Semiconductor Recent Developments
- Table 100. Shanghai Baolong Automotive Corporation Basic Information
- Table 101. Shanghai Baolong Automotive Corporation Automotive Magnetic Sensor Module Product Overview
- Table 102. Shanghai Baolong Automotive Corporation Automotive Magnetic Sensor

Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Shanghai Baolong Automotive Corporation Business Overview

Table 104. Shanghai Baolong Automotive Corporation Recent Developments

Table 105. MultiDimension Technology Basic Information

Table 106. MultiDimension Technology Automotive Magnetic Sensor Module Product Overview

Table 107. MultiDimension Technology Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. MultiDimension Technology Business Overview

Table 109. MultiDimension Technology Recent Developments

Table 110. Sinomags Technology Basic Information

Table 111. Sinomags Technology Automotive Magnetic Sensor Module Product Overview

Table 112. Sinomags Technology Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Sinomags Technology Business Overview

Table 114. Sinomags Technology Recent Developments

Table 115. Suzhou Novosense Microelectronics Basic Information

Table 116. Suzhou Novosense Microelectronics Automotive Magnetic Sensor Module Product Overview

Table 117. Suzhou Novosense Microelectronics Automotive Magnetic Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. Suzhou Novosense Microelectronics Business Overview

Table 119. Suzhou Novosense Microelectronics Recent Developments

Table 120. Global Automotive Magnetic Sensor Module Sales Forecast by Region (2026-2035) & (K Units)

Table 121. Global Automotive Magnetic Sensor Module Market Size Forecast by Region (2026-2035) & (M USD)

Table 122. North America Automotive Magnetic Sensor Module Sales Forecast by Country (2026-2035) & (K Units)

Table 123. North America Automotive Magnetic Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)

Table 124. Europe Automotive Magnetic Sensor Module Sales Forecast by Country (2026-2035) & (K Units)

Table 125. Europe Automotive Magnetic Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)

Table 126. Asia Pacific Automotive Magnetic Sensor Module Sales Forecast by Region (2026-2035) & (K Units)

Table 127. Asia Pacific Automotive Magnetic Sensor Module Market Size Forecast by Region (2026-2035) & (M USD)

Table 128. South America Automotive Magnetic Sensor Module Sales Forecast by Country (2026-2035) & (K Units)

Table 129. South America Automotive Magnetic Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)

Table 130. Middle East and Africa Automotive Magnetic Sensor Module Sales Forecast by Country (2026-2035) & (Units)

Table 131. Middle East and Africa Automotive Magnetic Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)

Table 132. Global Automotive Magnetic Sensor Module Sales Forecast by Type (2026-2035) & (K Units)

Table 133. Global Automotive Magnetic Sensor Module Market Size Forecast by Type (2026-2035) & (M USD)

Table 134. Global Automotive Magnetic Sensor Module Price Forecast by Type (2026-2035) & (USD/Unit)

Table 135. Global Automotive Magnetic Sensor Module Sales (K Units) Forecast by Application (2026-2035)

Table 136. Global Automotive Magnetic Sensor Module Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Automotive Magnetic Sensor Module
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Automotive Magnetic Sensor Module Market Size (M USD), 2025-2035
- Figure 5. Global Automotive Magnetic Sensor Module Market Size (M USD) (2020-2035)
- Figure 6. Global Automotive Magnetic Sensor Module Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Automotive Magnetic Sensor Module Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Automotive Magnetic Sensor Module Product Life Cycle
- Figure 13. Automotive Magnetic Sensor Module Sales Share by Manufacturers in 2025
- Figure 14. Global Automotive Magnetic Sensor Module Revenue Share by Manufacturers in 2025
- Figure 15. Automotive Magnetic Sensor Module Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Automotive Magnetic Sensor Module Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Automotive Magnetic Sensor Module Revenue in 2025
- Figure 18. Industry Chain Map of Automotive Magnetic Sensor Module
- Figure 19. Global Automotive Magnetic Sensor Module Market PEST Analysis
- Figure 20. Global Automotive Magnetic Sensor Module Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Automotive Magnetic Sensor Module Market Share by Type
- Figure 27. Sales Market Share of Automotive Magnetic Sensor Module by Type (2020-2025)
- Figure 28. Sales Market Share of Automotive Magnetic Sensor Module by Type in 2025

Figure 29. Market Share of Automotive Magnetic Sensor Module by Type (2020-2025)

Figure 30. Market Share of Automotive Magnetic Sensor Module by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Automotive Magnetic Sensor Module Market Share by Application

Figure 33. Global Automotive Magnetic Sensor Module Sales Market Share by Application (2020-2025)

Figure 34. Global Automotive Magnetic Sensor Module Sales Market Share by Application in 2025

Figure 35. Global Automotive Magnetic Sensor Module Market Share by Application (2020-2025)

Figure 36. Global Automotive Magnetic Sensor Module Market Share by Application in 2025

Figure 37. Global Automotive Magnetic Sensor Module Sales Growth Rate by Application (2020-2025)

Figure 38. Global Automotive Magnetic Sensor Module Sales Market Share by Region (2020-2025)

Figure 39. Global Automotive Magnetic Sensor Module Market Size by Region (2020-2025)

Figure 40. North America Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Automotive Magnetic Sensor Module Sales Market Share by Country in 2024

Figure 43. North America Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Automotive Magnetic Sensor Module Market Size by Country in 2024

Figure 45. U.S. Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Automotive Magnetic Sensor Module Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Automotive Magnetic Sensor Module Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Automotive Magnetic Sensor Module Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Automotive Magnetic Sensor Module Market Size (Units) and Growth

Rate (2020-2025)

Figure 51. Europe Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Automotive Magnetic Sensor Module Sales Market Share by Country in 2024

Figure 53. Europe Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Automotive Magnetic Sensor Module Market Size by Country in 2024

Figure 55. Germany Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Automotive Magnetic Sensor Module Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Automotive Magnetic Sensor Module Sales Market Share by Region in 2024

Figure 67. Asia Pacific Automotive Magnetic Sensor Module Market Size by Region in 2024

Figure 68. China Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Automotive Magnetic Sensor Module Sales and Growth Rate

(2020-2025) & (K Units)

Figure 71. Japan Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Automotive Magnetic Sensor Module Sales and Growth Rate (K Units)

Figure 79. South America Automotive Magnetic Sensor Module Sales Market Share by Country in 2024

Figure 80. South America Automotive Magnetic Sensor Module Market Size and Growth Rate (M USD)

Figure 81. South America Automotive Magnetic Sensor Module Market Size by Country in 2024

Figure 82. Brazil Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Automotive Magnetic Sensor Module Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Automotive Magnetic Sensor Module Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Automotive Magnetic Sensor Module Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Automotive Magnetic Sensor Module Market Size by Region in 2024

Figure 92. Saudi Arabia Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Automotive Magnetic Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Automotive Magnetic Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Automotive Magnetic Sensor Module Production Market Share by Region (2020-2025)

Figure 103. North America Automotive Magnetic Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Automotive Magnetic Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Automotive Magnetic Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 106. China Automotive Magnetic Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Automotive Magnetic Sensor Module Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Automotive Magnetic Sensor Module Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Automotive Magnetic Sensor Module Sales Market Share Forecast

by Type (2026-2035)

Figure 110. Global Automotive Magnetic Sensor Module Market Share Forecast by Type (2026-2035)

Figure 111. Global Automotive Magnetic Sensor Module Sales Forecast by Application (2026-2035)

Figure 112. Global Automotive Magnetic Sensor Module Market Share Forecast by Application (2026-2035)

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