

Global Hall Effect ICs for BLDC Motors Market Growth 2025-2031

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Abstracts

The global Hall Effect ICs for BLDC Motors market size is predicted to grow from US\$ 1070 million in 2025 to US\$ 1459 million in 2031; it is expected to grow at a CAGR of 5.3% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Hall Effect ICs are critical sensing components specifically designed for brushless DC (BLDC) motors. By detecting magnetic field variations, they enable real-time rotor position determination to optimize electronic commutation control. These chips integrate Hall sensors with signal processing circuits, featuring high precision, low power consumption, and strong noise immunity. They are widely applied in consumer electronics motor drives, automotive electronics, and industrial automation systems.

United States market for Hall Effect ICs for BLDC Motors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Hall Effect ICs for BLDC Motors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Hall Effect ICs for BLDC Motors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Hall Effect ICs for BLDC Motors players cover Allegro MicroSystem, Melexis, Infineon, TDK, Asahi Kasei Microdevices, etc. In terms of revenue, the global two

largest companies occupied for a share nearly % in 2024.

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

This Insight Report provides a comprehensive analysis of the global Hall Effect ICs for BLDC Motors 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 Hall Effect ICs for BLDC Motors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hall Effect ICs for BLDC Motors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hall Effect ICs for BLDC Motors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hall Effect ICs for BLDC Motors.

This report presents a comprehensive overview, market shares, and growth opportunities of Hall Effect ICs for BLDC Motors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Si-based Materials

InSb-based Materials

GaAs-based Materials

InAs-based Materials

Others

Segmentation by Application:

Automobile

Consumer Electronics

Industrial Automation

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.

Allegro MicroSystem

Melexis

Infineon

TDK

Asahi Kasei Microdevices

ams OSRAM

NXP

Diodes

Texas Instruments

Suzhou Novosense Microelectronics

Shanghai Orient-Chip Technology

Honeywell

TE Connectivity

Analog Devices

Semiment Technology

Cosemitech

Senksemi-electronics

CrossChip Microsystems

MEMSIC Semiconductor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Hall Effect ICs for BLDC Motors market?

What factors are driving Hall Effect ICs for BLDC Motors market growth, globally and by region?

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

How do Hall Effect ICs for BLDC Motors market opportunities vary by end market size?

How does Hall Effect ICs for BLDC Motors break out by Type, by Application?

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