

Global Automotive-grade Molded Power Inductor Market Growth 2026-2032

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Abstracts

The global Automotive-grade Molded Power Inductor market size is predicted to grow from US\$ 582 million in 2025 to US\$ 1360 million in 2032; it is expected to grow at a CAGR of 13.0% from 2026 to 2032.

In 2025, the global sales volume of Automotive-grade Molded Power Inductors was approximately 725 million units, with an average global market price of approximately USD 0.82 per unit. The gross margin of major manufacturers in the industry was approximately 25%-40%.

Automotive-grade Molded Power Inductor is a high-reliability power magnetic component designed for automotive electronic power systems. This product is typically manufactured by molding copper wire or flat copper wire windings together with metal magnetic powder or alloy magnetic powder materials into an integrated structure. It features compact structure, good magnetic shielding performance, low DC resistance, high saturation current, low loss, high-temperature resistance, vibration resistance, and strong long-term stability. It usually needs to meet automotive-grade reliability requirements such as AEC-Q200, and is mainly used in automotive DC-DC converters, power modules, control units, and high-reliability power supply circuits, where it performs functions such as energy storage, filtering, current stabilization, ripple suppression, and electromagnetic interference reduction.

The upstream of its industrial chain mainly includes iron powder-based, iron-silicon alloy-based, iron-nickel alloy-based and other metal magnetic powder materials, copper wire/flat copper wire, terminals, electrode materials, insulation materials, resin binders, molding equipment, winding equipment, and testing equipment. The midstream includes magnetic powder formulation design, coil winding, molding, curing, electrode

processing, aging tests, and automotive-grade certification. The downstream applications mainly cover powertrain systems, energy management, body electronics, safety control, automotive lighting, and other automotive electronic systems. The product value is mainly concentrated in magnetic material formulation, low-DCR structural design, molded process capability, thermal management capability, automotive-grade reliability verification, and customer platform certification capability.

United States market for Automotive-grade Molded Power Inductor 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 Automotive-grade Molded Power Inductor 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 Automotive-grade Molded Power Inductor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automotive-grade Molded Power Inductor players cover TDK, Panasonic Industry, Sumida, Vishay, Bourns, 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 "Automotive-grade Molded Power Inductor Industry Forecast" looks at past sales and reviews total world Automotive-grade Molded Power Inductor sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive-grade Molded Power Inductor sales for 2026 through 2032. With Automotive-grade Molded Power Inductor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive-grade Molded Power Inductor industry.

This Insight Report provides a comprehensive analysis of the global Automotive-grade Molded Power Inductor 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 Automotive-grade Molded Power Inductor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive-grade Molded Power

Inductor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive-grade Molded Power Inductor 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 Automotive-grade Molded Power Inductor.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive-grade Molded Power Inductor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Iron Powder Type

Iron-Silicon Alloy Type

Iron-Nickel Alloy Type

Segmentation by Rated Current:

5?20A

20?50A

Above 50A

Segmentation by Application:

Powertrain

Energy Management

Body Electronics

Safety Control

Automotive Lighting

Other

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.

TDK

Panasonic Industry

Sumida

Vishay

Bourns

Coilcraft

Abracon

Laird Technologies

Eaton

TT Electronics

Würth Elektronik

Cyntec

Darfon

Tai-Tech Electronics

Mag.Layers

CODACA

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive-grade Molded Power Inductor market?

What factors are driving Automotive-grade Molded Power Inductor market growth, globally and by region?

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

How do Automotive-grade Molded Power Inductor market opportunities vary by end market size?

How does Automotive-grade Molded Power Inductor break out by Type, by Application?

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