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Global Inductive Components for Automotive Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Inductive Components for Automotive market size is expected to reach $ 6258 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

Inductive Components for Automotive are specialized inductive devices used in automotive electronic systems, mainly for key functional modules such as power management, filtering, energy storage, EMI suppression, and signal processing. They are widely used in engine control units, battery management systems, car chargers, DC-DC converters, ADAS, and information entertainment systems. This type of inductor needs to meet higher reliability requirements compared to consumer electronics products, such as high temperature resistance, vibration resistance, long life, and compliance with automotive grade standards. Its technical core focuses on high-performance magnetic materials, integrated molding processes, and high current carrying capacity design. In 2025, global Inductive Components for Automotive production reached approximately 622.65 M Units, with an average global market price of around US$ 6.97 per unit.

Automotive inductance components are one of the fastest-growing sub sectors in the inductance industry, driven by the increasing penetration rate of new energy vehicles and the trend towards electrification and intelligence, resulting in rapidly expanding demand and significantly higher usage per vehicle compared to traditional fuel vehicles. The industry presents high technological and certification barriers, with top manufacturers dominating, but Chinese manufacturers are accelerating their entry into the automotive grade market to achieve domestic substitution. In the future, with the increasing complexity of electric vehicle high-voltage platforms, autonomous driving, and onboard electronic systems, the demand for high-power, high-frequency, and high

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reliability inductors will continue to grow, driving this segment of the market to maintain a growth rate higher than the industry average.

This report studies the global Inductive Components for Automotive production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Inductive Components for Automotive and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Inductive Components for Automotive that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Inductive Components for Automotive total production and demand, 2021-2032, (K Units)
Global Inductive Components for Automotive total production value, 2021-2032, (USD Million)
Global Inductive Components for Automotive production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Inductive Components for Automotive consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Inductive Components for Automotive domestic production, consumption, key domestic manufacturers and share
Global Inductive Components for Automotive production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Inductive Components for Automotive production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Inductive Components for Automotive production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Inductive Components for Automotive market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TDK, Murata, Sunlord, Delta Electronics, Samsung Electro-Mechanics, Taiyo Yuden, Vishay, YAGEO Group, Panasonic, Shenzhen Microgate Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities,

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new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Inductive Components for Automotive market

Detailed Segmentation:

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

Global Inductive Components for Automotive Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Inductive Components for Automotive Market, Segmentation by Type:

Chip Inductor

Plug-in Inductor

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Global Inductive Components for Automotive Market, Segmentation by Manufacturing Process:

Wirewound Inductor

Multilayer Laminated Inductor

Thin Film Inductor

Others

Global Inductive Components for Automotive Market, Segmentation by Material:

Ferrite Inductor

Metal Powder Core Inductor

Other

Global Inductive Components for Automotive Market, Segmentation by Application:

Passenger Cars

Commercial Vehicle

Companies Profiled:

TDK

Murata

Sunlord

Delta Electronics

Samsung Electro-Mechanics

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Taiyo Yuden

Vishay

YAGEO Group

Panasonic

Shenzhen Microgate Technology

Sumida

Guangdong Fenghua Advanced Technology Holding

Kyocera

Feng-Jui Technology

KOHER

Laird Technologies

Endrich

Grupo Premo

Key Questions Answered:

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

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