

# **Global Automotive Grade Inductors Market Size, Share, and Analysis, By Inductor Type (SMD Power Inductors, Plug-In Power Inductors), By Application (Transmission Control Units, LED Drivers, HID Lighting, Noise Suppression), By Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), By Sales Channel (OEMs, Aftermarket) and Regional Forecasts, 2022-2032**

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## **Abstracts**

Global Automotive Grade Inductors Market Size, Share, and Analysis, By Inductor Type (SMD Power Inductors, Plug-In Power Inductors), By Application (Transmission Control Units, LED Drivers, HID Lighting, Noise Suppression), By Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), By Sales Channel (OEMs, Aftermarket) and Regional Forecasts, 2022-2032

## **PRODUCT OVERVIEW**

Automotive Grade Inductors Market size was USD 2.7 billion in 2021 and projected to grow from USD 2.9 billion in 2023 to USD 4.2 billion by 2032, exhibiting a CAGR of 4.1% during the forecast period.

Automotive-Grade Inductor is the current-producing electro-magnetic instrument that is strong in nature and complies with standards of (AEC) Automotive Electronics Council's Q200. These inductors can withstand shock stresses and extreme temperatures in automobile systems and offer better reliability voltage regulators, DC-to-DC converters, multi-phase regulation modules, battery-powered systems, and point-of-load

models utilized in-vehicle electric systems. They offer impedance matching, high-frequency filtering, and radio-frequency tuned circuits in automotive transmission in automobile.

## MARKET HIGHLIGHTS

Automotive Grade Inductors Market is expected to reach USD 4.2 billion, growing at a CAGR of 4.1% during the forecast period owing to the speedy improvements in automobile infotainments and growing demand for Electronic Vehicles. Furthermore, growing emphasis on carbon neutrality and the enforcement of strict regulations are encouraging automakers to enter the EV market. These factors are expected to boost the growth of Automotive Grade Inductors Market over the forecast period.

Global Automotive Grade Inductors Market Segments:

Inductor Type

SMD Power Inductors

Plug-In Power Inductors

Application

Transmission Control Units

LED Drivers

HID Lighting

Noise Suppression

Vehicle Type

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

Sales Channel

OEMs

Aftermarket

## MARKET DYNAMICS

### Growth Drivers

Expanding Demand for Electric Vehicles and Rising Miniaturization in Electronic Devices is Expected to Boost the Market Growth

Technological Advancements and Growing R&D Spending by Automobile Producers are Expected to Boost the Market Growth

### Restraint

Instable Prices of Raw Materials to Restrain the Market Growth

### Key Players

Panasonic Industry Co. Ltd.

TDK Corporation

Murata Manufacturing Co. Ltd.

Vishay Intertechnology

Avnet Inc.

KYOCERA AVX

Bourns Inc.

TTI Inc.

Mouser Electronics Inc.

Laird Technologies

NIC Components

Abracon

Viking Tech Corporation

Coilmaster Electronics

Shaanxi Fullstar Electronics Co. Ltd

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

## Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) 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 with respect to 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 of 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

3-month post-sales analyst support.

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