

Global Inductors Market Size study & Forecast, By Type (Wire Wound, Multilayered, film, Molded), By Core (Air Core, Ferromagnetic/Ferrite Core and Others), By End User (Automotive, Consumer Electronics, Aerospace and Defense, Communication and Others), and Regional Analysis, 2022-2029

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Abstracts

Global Inductors Market is valued at approximately USD 5.1 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.64% over the forecast period 2022-2029. Inductors, also called chokes, are passive electrical components used in power electronic circuits to store energy in electromagnetic fields when an electric current is applied. A component consisting of a coil of wire designed to exploit the magnetic-electrical relationship by passing an electric current through the coil. Forming a coil of wire into an inductor results in a stronger magnetic field than that produced by a simple coil of wire. The Consumer electronics market is fast growing and a dynamic industry. The surging demand for consumer electronics such as smartphones, tablets, laptops, and portable gaming consoles represents the major factor driving the market growth..

The rapid usage of high-speed internet, high level standards, and increasing consumer incomes has also played a vital role in demand of smart devices which is indirectly augmenting the demand of Inductors. Along with increasing penetration of 5G technology, emerging medical, rising digitalization, and industrial application with ongoing research and development (R&D) activities in various electronic products has driven the inductor market growth. Inductors are mainly made of copper, iron, and ferrite as they have high electrical connectivity and low power losses due to this feature, they are used to build Inductors. Copper coils are used as copper has good thermal and mechanical properties that's why it is mainly used a raw material in manufacturing

Inductors. But due to copper line width limit and its metal pattern density needs to be same. Any disruption in specific region of mining can fluctuate the copper prices significantly.

The increasing usage of electric vehicle has expanded the role of electronic components, adoption of connected cars and advanced driving assistance systems (ADAS) will further lead to grow the demand for these electric components. These electric vehicles are equipped with new technologies like AI and IOT. Many major manufacturers and new emerging car makers have increased the production of electric vehicles and its with growing adoption of EVs will surged the demand for Inductors in coming years. The size of products is becoming relatively smaller as the products are being enhanced due to this continuous shrink in size of mobile devices causing complexity. The market for such devices which include smartwatches, wristband type wearables devices and IOT devices such as sensor network devices need reduced size as well as thickness.

The key regions considered for the Global Inductors Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominates the market and is expected to retrain its position during the forecast period. APAC is a large hub for consumer electronics manufacturers among others. Investment such as India, China, South Korea, and Japan are increasing and Inductors are an important component in consumer electronics and automobiles. North America is expected to be the fastest-growing market with increasing penetration of smartphones, and tablets and rapidly increasing automation in the industrial sector.

Major market player included in this report are:

TDK Corporation (Japan)
Vishay Intertechnology (U.S)
Delta Electronics (Taiwan)
Panasonic Corporation Ltd. (Japan)
Murata Manufacturing Co., Ltd. (Japan)
Chilisin Electronics Corp. Ltd (Taiwan)
ABC Taiwan Electronics Corp., Ltd. (Taiwan)
TT Electronics (U.K)
GCi Technologies (US)
Pulse Electronics (US)
Sumida (Japan)

Recent Developments in the Market:

March 2022: TDK launches the new PCM120T series of SMT shielded power inductors optimized for high saturation current and low DC resistance.

March 2022: Vishay Intertechnology expands its IHLE series of low profile, high current inductors with integrated electric field shielding to reduce EMI with new commercial and automotive devices in a 5mm x 5mm x 3.4mm package size.

December 2021: Murata Manufacturing announced the launch of the DFE21CCN_EL series power inductor for 5G smartphones.

Global Inductors Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered By Type, By Core, By End User, and Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Wire Wounded

Multilayered

Film

Molded

By Core:

Air Core

Ferromagnetic/Ferrite Core

Others

By End User

Automotive

Consumer Electronics

Aerospace and Defense

Communication

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

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Rest of the World

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