

# Inductors Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview:

The global inductors market size reached US\$ 4.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.5 Billion by 2028, exhibiting a growth rate (CAGR) of 3.9% during 2023-2028.

Inductors, also known as coils, refer to passive two-terminal components used in power electronic circuits to store energy in an electromagnetic field when the electric current is applied. These coil-like structures typically comprise conducting material like insulated copper wires looped around the central core made of either plastic or ferromagnetic material. They are primarily employed to reduce or control electric spikes or surges by temporarily storing energy in a magnetic field and releasing it back into the circuit. They are also utilized to store or transfer energy in power converters, choke, block or filter high-frequency noise in electrical circuits and create tuned oscillators. As a result, inductors find extensive applications across various industries, including consumer electronics, automotive, telecom, defense, aerospace, and medical.

### Inductors Market Trends:

Inductors are employed as filters in several complex electronic circuits to cut off undesirable frequencies and efficiently manage the power supply. The escalating demand for consumer electronics, such as laptops, smartphones, tablets and portable gaming consoles, represents the primary factor driving the market growth. Besides this, the growing penetration of high-speed internet, improving living standards, and inflating consumer disposable incomes have strengthened the need for smart devices, which in turn, is augmenting the demand for inductors. Additionally, the rising usage of electronic components in automobiles and the shifting consumer preferences toward electric

vehicles (EVs) are accelerating the adoption of inductors. Furthermore, the leading manufacturers are heavily investing in product innovations to gain a competitive edge and expand their product portfolio. Moreover, the increasing penetration of 5G technology, rising digitalization, emerging medical and industrial applications, and ongoing research and development (R&D) activities are some of the other factors providing a positive market outlook.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global inductors market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, core and end user.

#### Breakup by Type:

- Wire Wound
- Multilayered
- Film
- Molded

#### Breakup by Core:

- Air Core
- Ferromagnetic/Ferrite Core
- Others

#### Breakup by End User:

- Automotive
- Consumer Electronics
- Aerospace and Defense
- Communications
- Others

#### Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABC Taiwan Electronics Corp., Coilcraft Inc., Delta Electronics Inc., KYOCERA AVX Components Corporation (KYOCERA Corporation), Murata Manufacturing Co. Ltd., Panasonic Corporation, Samsung Electro-Mechanics, Sumida Corporation, Taiyo Yuden Co. Ltd., TDK Corporation, TT Electronics Plc, Vishay Intertechnology Inc. and Yageo Corporation.

Key Questions Answered in This Report:

How has the global inductors market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global inductors market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the core?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global inductors market and who are the key players?

What is the degree of competition in the industry?

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