

Global Metal Composite Power Inductor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Metal Composite Power Inductor market size is expected to reach \$ 3024 million by 2032, rising at a market growth of 6.8% CAGR during the forecast period (2026-2032).

A Metal Composite Power Inductor (MCPI) is a power inductor used in power management circuits (DC-DC converters, VRMs, and filtering applications), in which the magnetic core is formed by metal magnetic powder (e.g., iron alloy powder) mixed with resin and molded into a composite structure, enabling high current handling, low core loss, and high reliability. In 2025, global Metal Composite Power Inductor production reached approximately 25680 M Units. The upstream of the MCPI industry includes metal magnetic powders (iron-based alloys, permalloy powders), insulating resins, copper wire, and substrates.

Metal Composite Power Inductors (MCPI) represent one of the fastest-growing segments within the global power inductor market. These components are manufactured using metal magnetic powder combined with insulating resin through a molding process, offering high saturation current, low DC resistance (DCR), and excellent electromagnetic interference (EMI) suppression performance. As electronic systems evolve toward higher power density, miniaturization, and improved energy efficiency, MCPI is increasingly replacing traditional ferrite-based inductors and metal powder inductors in advanced applications.

This report studies the global Metal Composite Power Inductor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal

Composite Power Inductor 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 Metal Composite Power Inductor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metal Composite Power Inductor total production and demand, 2021-2032, (Million Units)

Global Metal Composite Power Inductor total production value, 2021-2032, (USD Million)

Global Metal Composite Power Inductor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Metal Composite Power Inductor consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Metal Composite Power Inductor domestic production, consumption, key domestic manufacturers and share

Global Metal Composite Power Inductor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Metal Composite Power Inductor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Metal Composite Power Inductor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Metal Composite Power Inductor 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 Cyntec, Yageo (KEMET), Murata, Panasonic Industry Europe GmbH, SAMSUNG ELECTRO-MECHANICS, SUMIDA Corporation, Taiyo Yuden, TDK Corporation, Viking Tech Corporation, Vishay, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Metal Composite Power Inductor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/K Units) 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 Metal Composite Power Inductor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metal Composite Power Inductor Market, Segmentation by Type:

Low Power (40A)

Global Metal Composite Power Inductor Market, Segmentation by Structure:

Molded

Shielded

Unshielded

Global Metal Composite Power Inductor Market, Segmentation by Material:

Iron Powder based

Sendust

MPP

Nanocrystalline

Global Metal Composite Power Inductor Market, Segmentation by Performance Grade:

Consumer Grade

Industrial Grade

Automotive Grade

Data Center Grade

Global Metal Composite Power Inductor Market, Segmentation by Application:

Automotive and Transportation

Industrial Power Supplies

Aerospace and Defense

Consumer Electronics

IT and Telecommunication

Healthcare

Others

Companies Profiled:

Cyntec

Yageo (KEMET)

Murata

Panasonic Industry Europe GmbH

SAMSUNG ELECTRO-MECHANICS

SUMIDA Corporation

Taiyo Yuden

TDK Corporation

Viking Tech Corporation

Vishay

W?rth Elektronik

Coilcraft

Sunlord Electronics

Changsung Corporation

TAI-TECH Advanced Electronics

TOKEN Electronics

Eaton Electronics

Zhenhua Advanced Technology

Key Questions Answered:

1. How big is the global Metal Composite Power Inductor market?
2. What is the demand of the global Metal Composite Power Inductor market?
3. What is the year over year growth of the global Metal Composite Power Inductor market?
4. What is the production and production value of the global Metal Composite Power Inductor market?
5. Who are the key producers in the global Metal Composite Power Inductor market?
6. What are the growth factors driving the market demand?

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