+357 96 030922
info@marketpublishers.com

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

https://marketpublishers.com/r/G60ABB66D07FEN.html
Date: January 2026
Pages: 216
Price: US$ 4,480.00 (Single User License)
ID: G60ABB66D07FEN

Abstracts

The global Chip Power Inductor market size is expected to reach $ 7722 million by 2032, rising at a market growth of 7.2% CAGR during the forecast period (2026-2032).
A chip power inductor is a surface-mount power inductor designed for PCB assembly, typically built with wire-wound, multilayer, co-fired, or molded constructions to provide energy storage, power filtering, and EMI suppression. It is widely used in DC-DC converters, voltage regulation modules, power decoupling, and EMI filtering within automotive and other electronic power-management circuits, where compact size, low DCR, high saturation current, reliability, and thermal stability are key requirements. In 2025, global chip power inductor production reached 73.358 billion units, with an average price of USD 62.54 per thousand units.
Chip power inductors are surface-mount power inductors designed for PCB assembly, primarily used in DC-DC conversion, voltage regulation, and power filtering. They are among the most representative foundational magnetic components in the upgrade cycle of power architectures and rising power density. Industry growth is driven by higher switching frequencies, greater integration, and multi-rail power designs that lift both unit consumption and specification requirements. Consumer electronics and PCs continue to provide a stable demand base, while automotive electronics including cockpit, ADAS, domain controllers, and electrified power systems and industrial controls steadily raise the share of products requiring high reliability, wide operating temperature ranges, and long lifecycle supply consistency. This shift is accelerating the industry transition from general-purpose supply toward higher-end products, platform-based selection, and scenario-oriented co-design. From a regional perspective, capacity and upstream supporting ecosystems are highly concentrated in East Asia, forming manufacturing and materials clusters centered on Japan, mainland China, Taiwan, and South Korea, with further expansion into Southeast Asia to diversify capacity and strengthen delivery resilience. On the demand side, the pattern is Asian manufacturing with global

+357 96 030922
info@marketpublishers.com

installations. Automotive and industrial customers in North America and Europe are more sensitive to localization requirements and qualification lead times, pushing suppliers to build multi-site qualification capabilities and dual-sourcing systems. Along the value chain, upstream inputs include ferrite powders, metal composite magnetic powders, copper wire and flat copper strips, electrode materials, ceramic dielectrics, and encapsulation resins. Midstream processes cover inductor design, winding or forming, sintering or curing, termination electrodes and plating, testing and binning, and packaging. Downstream customers span consumer electronics and PC OEMs and EMS providers, telecom equipment and server power chains, automotive Tier 1s and OEMs, and joint development ecosystems with power module and PMIC suppliers. In terms of product structure and application structure, chip power inductors can be classified by construction and process into wire-wound coated types, molded one-piece types, multilayer or co-fired types, and assembled types, and they form a tiered portfolio across package sizes such as 0201, 0402, 0603, 0805, and 1210 and across current ratings. Multilayer and co-fired approaches are stronger in small-size and high-consistency scenarios, while molded and flat-wire winding approaches are penetrating faster in medium-to-high current, low DCR, and thermal management-sensitive scenarios. On the application side, demand is pulled in two directions, from miniaturized devices such as smartphones and wearables and from high-current, high-reliability systems such as automotive and AI or edge computing. The primary opportunity is driven by specification upgrades and rising value per device rather than sheer unit growth. On the cost side, materials typically account for 40% to 60% of total cost, with magnetic materials, copper, and terminations and plating as the main contributors. Manufacturing overhead and depreciation represent 15% to 25%, largely tied to automated forming, sintering or curing, plating, and test equipment. Labor, operating expenses, and yield losses together represent 15% to 30%. Profitability is highly sensitive to raw material price fluctuations and yield stability. For mainstream chip packages such as 0402 and 0603, a typical automated production line delivers a single-line monthly capacity in the range of 20 to 80 million units. Bottlenecks most often sit in sintering or curing takt time, plating consistency, and final test and binning capacity. Gross margin varies materially by product mix: general-purpose products commonly fall in the 15% to 25% range, while high-current molded products, flat-wire designs, and automotive-grade products can reach 25% to 40%, depending on qualification barriers, customer concentration, and pricing power. Competition shows a pattern of high concentration at the top and tiered rivalry across segments. Global leaders hold advantages in material systems, process windows, automotive qualification, and global delivery capabilities. Chinese and broader Asian suppliers are strengthening competitiveness through scale manufacturing, cost control, and local responsiveness, and are upgrading through automotive program wins and co-development with power IC

+357 96 030922
info@marketpublishers.com

and module partners. Key technology and market trends include the wider adoption of metal composite magnetic materials, molded structures, flat-wire windings, low DCR and low-loss designs, and tighter consistency management linked to AEC-Q200 and functional safety expectations. At the same time, supply chain resilience and multi-site manufacturing qualification are becoming increasingly important, and the industry is evolving from single-spec component supply toward scenario-based power-chain solutions, shifting competition from individual parts to integrated capabilities spanning materials, processes, validation, and delivery.

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

This report is a detailed and comprehensive analysis of the world market for Chip 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 Chip Power Inductor that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Chip 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 Delta Electronics, TDK, Murata, YAGEO, Taiyo Yuden, Sunlord Electronics, Vishay, Sumida, Coilcraft, Shenzhen Microgate Technology, 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

+357 96 030922
info@marketpublishers.com

used in analyzing the World Chip 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$/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 Chip Power Inductor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Chip Power Inductor Market, Segmentation by Type:

Non-Shielded Chip Power Inductor

Shielded Chip Power Inductor

Global Chip Power Inductor Market, Segmentation by Manufacturing Process:

Wound & Coated Power Inductor

Molded (One-piece) Power Inductor

+357 96 030922
info@marketpublishers.com

Multilayer Power Inductor

Assembled Power Inductor

Co-fired Power Inductor

Global Chip Power Inductor Market, Segmentation by Sales Channel:

Direct Sales

Distribution

Global Chip Power Inductor Market, Segmentation by Application:

Smartphones

Consumer Electronics

Computers

Automotive

Industrial Control Equipment

Home Appliances

Security & Surveillance Systems

Servers & Data Centers

Networking & Communications

Others

Companies Profiled:

+357 96 030922
info@marketpublishers.com

Delta Electronics

TDK

Murata

YAGEO

Taiyo Yuden

Sunlord Electronics

Vishay

Sumida

Coilcraft

Shenzhen Microgate Technology

Tai-Tech Advanced Electronics

Lianzhen Electronics

Panasonic

MinebeaMitsumi

Kun Shan Mazo Tech

TRIO Technology International

Eaton

3L Electronic

Laird Technologies

Shenzhen Yigan Technology

+357 96 030922
info@marketpublishers.com

KYOCERA

ABC Taiwan Electronics

INPAQ

W?rth Elektronik

Tongyou Group

Bourns

Samsung Electro-Mechanics

Fenghua Advanced

Sagami Elec

Littelfuse

Zhenhua Fu Electronics

Key Questions Answered:

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

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

4 UNITED STATES VS CHINA VS REST OF THE WORLD

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TYPE

6 MARKET ANALYSIS BY MANUFACTURING PROCESS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Chip Power Inductor Supply, Demand and Key Producers, 2026-2032
Product link: https://marketpublishers.com/r/G60ABB66D07FEN.html
Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G60ABB66D07FEN.html