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Global Power Inductors for Medical Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GE26F90A8607EN.html
Date: January 2026
Pages: 149
Price: US$ 4,480.00 (Single User License)
ID: GE26F90A8607EN

Abstracts

The global Power Inductors for Medical market size is expected to reach $ 138 million by 2032, rising at a market growth of 7.5% CAGR during the forecast period (2026-2032).
Power inductors for medical typically refer to power inductors used in the power supply links of medical electrical equipment. These include surface-mount inductors and custom magnetic components used in critical applications such as switching power supplies, DC/DC converters, isolated power supplies, and decoupling filters. Structurally, they employ metal magnetic powder cores or ferrite cores combined with wire winding or thin-film processes to achieve high current carrying capacity and low losses within a limited volume.
In 2025, global Power Inductors for Medical sales reached approximately 321 Million Units, with an average global market price of around 234.4 US$/K Units. Production capacity reached 400 Million Units, with a gross profit margin of approximately 32%. Upstream, power inductors for medical applications rely on high-performance magnetic materials, enameled copper wire, and high-reliability encapsulating resins. TDK and Murata, in their technical documentation, emphasize reducing losses and improving DC bias performance through metallic magnetic powder cores and optimized winding structures.
Midstream consists of specialized magnetic component manufacturers. Taiyo Yuden offers medical-grade power inductors categorized under GHTF, providing a standardized and traceable device platform for medical power supply design. Bourns, KYOCERA AVX, and others offer a broad portfolio of power inductors covering industrial, consumer, and network communications applications, with medical devices listed as a key application area in their application notes. Exxelia and Vanguard Electronics focus on high-reliability magnetic components; their medical solutions cover power and magnetic components for imaging equipment such as MRI, CT, and

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ultrasound, as well as custom inductors and transformers for implantable and wearable medical devices.
Downstream consists of large medical equipment manufacturers, in vitro diagnostic equipment manufacturers, monitoring equipment and implantable device manufacturers. Power inductors are embedded in power modules and signal links, working in conjunction with filters, capacitors and EMI shielding materials. Some manufacturers achieve system-level reliability and electromagnetic compatibility optimization through joint verification with magnetic component suppliers.
This report studies the global Power Inductors for Medical production, demand, key manufacturers, and key regions.
This report is a detailed and comprehensive analysis of the world market for Power Inductors for Medical 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 Power Inductors for Medical that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Power Inductors for Medical total production and demand, 2021-2032, (Million Units)
Global Power Inductors for Medical total production value, 2021-2032, (USD Million)
Global Power Inductors for Medical production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)
Global Power Inductors for Medical consumption by region & country, CAGR, 2021-2032 & (Million Units)
U.S. VS China: Power Inductors for Medical domestic production, consumption, key domestic manufacturers and share
Global Power Inductors for Medical production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)
Global Power Inductors for Medical production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)
Global Power Inductors for Medical production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)
This report profiles key players in the global Power Inductors for Medical 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 Murata, Taiyo Yuden, Bourns, Abracon, TE Connectivity, TDK, Sumida Group, Exxelia, Laird, KYOCERA AVX, 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

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used in analyzing the World Power Inductors for Medical 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 Power Inductors for Medical Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Power Inductors for Medical Market, Segmentation by Type:

Film Type

Wire Wound Type

Others

Global Power Inductors for Medical Market, Segmentation by Size:

Small Size

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Large Size

Global Power Inductors for Medical Market, Segmentation by Shielded:

Shielded Type

Unshielded Type

Global Power Inductors for Medical Market, Segmentation by Application:

Nursing and Treatment Equipment

Diagnostic Imaging Equipment

Medical Measurement Equipment

Others

Companies Profiled:

Murata

Taiyo Yuden

Bourns

Abracon

TE Connectivity

TDK

Sumida Group

Exxelia

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Laird

KYOCERA AVX

ABC Taiwan Electronics

Shenzhen Codaca Electronic

ECS Inc

Vanguard Electronics

Datatronics

Shenzhen Anruike Electronics

Coilmaster Electronics

Key Questions Answered:

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

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