+357 96 030922
info@marketpublishers.com

Global Automotive Wound Transformers Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GA28881D6F56EN.html
Date: June 2026
Pages: 155
Price: US$ 4,480.00 (Single User License)
ID: GA28881D6F56EN

Abstracts

The global Automotive Wound Transformers market size is expected to reach $ 10776 million by 2032, rising at a market growth of 3.8% CAGR during the forecast period (2026-2032).

Automotive wound transformers are electrical transformers specifically designed for vehicle electronic systems. Their basic structure consists of primary and secondary windings wound on a magnetic core, enabling the conversion of voltage, current, or impedance through electromagnetic induction. They are widely used in automotive DC-DC converters, on-board chargers (OBC), motor control modules, and in-vehicle infotainment systems to provide energy transfer, isolation, and filtering, enhancing system stability and reliability. Design considerations include rated voltage, current, turns ratio, operating frequency, insulation class, core material, temperature rise, and efficiency, while meeting automotive requirements such as high temperature, vibration tolerance, long-term reliability, and automotive certifications (e.g., AEC-Q200). Automotive wound transformers are critical components in modern intelligent vehicle power systems.

The upstream of the industry chain mainly includes suppliers of raw materials such as magnetic materials (e.g., silicon steel sheets, ferrite, amorphous/nanocrystalline materials), conductors (copper wire, enameled wire), insulation materials, and encapsulating resins. It also includes suppliers of winding equipment and testing instruments, providing a fundamental guarantee for transformer manufacturing. The midstream consists of transformer design and manufacturing companies, responsible for primary and secondary winding design, core assembly, insulation treatment, encapsulation, and performance testing. Their products cover wound transformers for automotive DC-DC converters, on-board chargers (OBCs), motor control modules, and

+357 96 030922
info@marketpublishers.com

in-vehicle infotainment systems. The downstream consists of OEMs and automotive electronics module manufacturers, who impose stringent requirements on wound transformers regarding electrical isolation, efficiency, temperature resistance, vibration resistance, and long-term reliability to ensure the stability, efficiency, and safety of power systems for new energy vehicles and intelligent vehicles.

In 2025, global sales of automotive wound transformers reached 125 million units, with a production capacity of approximately 170 million units. The average selling price was $65 per unit, and the average gross profit margin was 20%-30%.

The demand for automotive wound transformers primarily stems from automotive DC-DC converters, on-board chargers (OBCs), motor control modules, infotainment systems, and ADAS modules. High-voltage platforms and bidirectional power feedback systems in new energy vehicles are the core drivers of growth, while the demand for filtering and EMI suppression in intelligent driving and in-vehicle infotainment systems continues to grow. Overall, the trends of automotive electrification and intelligentization are the main drivers of market demand growth.

Automotive wound transformer technology is evolving towards higher efficiency, lower losses, higher power density, miniaturization, and modular packaging. Low-frequency automotive power systems often use silicon steel sheets or ferrite cores, while high-frequency switching power supplies and DC-DC modules utilize ferrite or nanocrystalline cores to achieve high frequency and high power density. In terms of packaging, surface mount technology (SMD), multi-winding coupling, and modular design are gradually becoming mainstream to save PCB space and meet automotive-grade requirements for high temperature, high vibration, and long-term reliability.

This report studies the global Automotive Wound Transformers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Wound Transformers 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 Automotive Wound Transformers that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Automotive Wound Transformers total production and demand, 2021-2032, (K Units)

+357 96 030922
info@marketpublishers.com

Global Automotive Wound Transformers total production value, 2021-2032, (USD Million)
Global Automotive Wound Transformers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Automotive Wound Transformers consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Automotive Wound Transformers domestic production, consumption, key domestic manufacturers and share
Global Automotive Wound Transformers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Automotive Wound Transformers production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Automotive Wound Transformers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automotive Wound Transformers 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 Hitachi Energy, Siemens Energy, ABB, Murata, TDK, Taiyo Yuden, Panasonic, Sumida, Vishay, Coilcraft, 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 Automotive Wound Transformers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K 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 Automotive Wound Transformers Market, By Region:

United States

+357 96 030922
info@marketpublishers.com

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive Wound Transformers Market, Segmentation by Type:

Power Transformer

Drive Transformer

Signal Transformer

Global Automotive Wound Transformers Market, Segmentation by Core Shape:

Toroidal

Planar

Global Automotive Wound Transformers Market, Segmentation by Power:

?50W

50-100W

?100W

+357 96 030922
info@marketpublishers.com

Global Automotive Wound Transformers Market, Segmentation by Application:

DC-DC Converter

On-Board Charger

Motor Control System

Advanced Driver Assistance System

Vehicle Communication System

Others

Companies Profiled:

Hitachi Energy

Siemens Energy

ABB

Murata

TDK

Taiyo Yuden

Panasonic

Sumida

Vishay

Coilcraft

Bourns

+357 96 030922
info@marketpublishers.com

W?rth Elektronik

Samsung Electro-Mechanics

Delta

Yageo

Eaton

Sunlord Electronics

Microgate

Cenker

Key Questions Answered:
1. How big is the global Automotive Wound Transformers market?
2. What is the demand of the global Automotive Wound Transformers market?
3. What is the year over year growth of the global Automotive Wound Transformers market?
4. What is the production and production value of the global Automotive Wound Transformers market?
5. Who are the key producers in the global Automotive Wound Transformers market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TYPE

+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

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

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+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 Automotive Wound Transformers Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GA28881D6F56EN.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/GA28881D6F56EN.html