

Global Automotive-grade Film Capacitor for PCB Market Growth 2026-2032

<https://marketpublishers.com/r/G28FE61EA5F1EN.html>

Date: July 2026

Pages: 110

Price: US\$ 3,660.00 (Single User License)

ID: G28FE61EA5F1EN

Abstracts

The global Automotive-grade Film Capacitor for PCB market size is predicted to grow from US\$ 293 million in 2025 to US\$ 543 million in 2032; it is expected to grow at a CAGR of 9.3% from 2026 to 2032.

Automotive-grade Film Capacitor for PCB is an automotive-grade film capacitor designed for printed circuit board applications in vehicle power, charging, and thermal management systems, providing stable filtering, voltage smoothing, interference suppression, and insulation reliability under high temperature, vibration, and high-voltage operating conditions. Its advantages include high reliability, low dielectric loss, strong heat resistance, stable capacitance performance, long service life, and strong adaptability to automotive-grade operating environments. In 2025, production was 150 million units and the average price was USD 2 per unit. The industry's capacity utilization rate in 2025 was about 80% and the average gross margin was around 28%. Upstream, the core inputs for Automotive-grade Film Capacitor for PCB are polypropylene base film, especially BOPP film, and aluminum metallized coating materials, with representative suppliers including Toray Industries, Toyobo, Bollor?, Steinerfilm, Anhui Tongfeng Electronics, Xiamen Faratronic, and Chalco providing key film and metal material support. The midstream segment focuses on base film pretreatment, vacuum metallization, precision winding, thermal pressing, spraying, encapsulation, aging, automotive-grade reliability testing, and safety certification, which determine capacitance stability, insulation strength, heat resistance, vibration resistance, and long-term operating reliability. Downstream, Automotive-grade Film Capacitor for PCB is mainly used in powertrain systems, charging systems, and thermal management systems, with representative customers including Tesla, Toyota, Volkswagen, BYD, Hyundai Motor, BMW, and Mercedes-Benz.

Automotive-grade Film Capacitor for PCB will gain more use as vehicle powertrain, charging, and thermal management systems require higher circuit stability, stronger insulation reliability, and better resistance to heat and vibration. In automotive PCB assemblies, it supports filtering, voltage smoothing, interference suppression, and long-term reliability under harsh electrical conditions. Future development will be driven by electric vehicle platform upgrades, higher charging power, integrated thermal control modules, and stricter automotive-grade reliability standards, with product improvement focused on miniaturization, heat resistance, stable capacitance, and longer service life.

LP Information, Inc. (LPI) ' newest research report, the "Automotive-grade Film Capacitor for PCB Industry Forecast" looks at past sales and reviews total world Automotive-grade Film Capacitor for PCB sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive-grade Film Capacitor for PCB sales for 2026 through 2032. With Automotive-grade Film Capacitor for PCB sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive-grade Film Capacitor for PCB industry.

This Insight Report provides a comprehensive analysis of the global Automotive-grade Film Capacitor for PCB landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive-grade Film Capacitor for PCB portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive-grade Film Capacitor for PCB market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive-grade Film Capacitor for PCB and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive-grade Film Capacitor for PCB.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive-grade Film Capacitor for PCB market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

X2

Y2

Others

Segmentation by Capacitance Range:

Capacitance

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Automotive-grade Film Capacitor for PCB Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Automotive-grade Film Capacitor for PCB by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Automotive-grade Film Capacitor for PCB by Country/Region, 2021, 2025 & 2032
- 2.2 Automotive-grade Film Capacitor for PCB Segment by Type
 - 2.2.1 X2
 - 2.2.2 Y2
 - 2.2.3 Others
 - 2.2.4 Automotive-grade Film Capacitor for PCB Sales by Type
 - 2.2.4.1 Global Automotive-grade Film Capacitor for PCB Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Automotive-grade Film Capacitor for PCB Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Automotive-grade Film Capacitor for PCB Sale Price by Type (2021-2026)
- 2.3 Automotive-grade Film Capacitor for PCB Segment by Capacitance Range
 - 2.3.1 Capacitance

List Of Tables

LIST OF TABLES

- Table 1. Automotive-grade Film Capacitor for PCB Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Automotive-grade Film Capacitor for PCB Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of X2
- Table 4. Major Players of Y2
- Table 5. Major Players of Others
- Table 6. Global Automotive-grade Film Capacitor for PCB Sales by Type (2021-2026) & (K Units)
- Table 7. Global Automotive-grade Film Capacitor for PCB Sales Market Share by Type (2021-2026)
- Table 8. Global Automotive-grade Film Capacitor for PCB Revenue by Type (2021-2026) & (\$ million)
- Table 9. Global Automotive-grade Film Capacitor for PCB Revenue Market Share by Type (2021-2026)
- Table 10. Global Automotive-grade Film Capacitor for PCB Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 11. Major Players of Capacitance

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Automotive-grade Film Capacitor for PCB

Figure 2. Automotive-grade Film Capacitor for PCB Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Automotive-grade Film Capacitor for PCB Sales Growth Rate
2021-2032 (K Units)

Figure 7. Global Automotive-grade Film Capacitor for PCB Revenue Growth Rate
2021-2032 (\$ millions)

Figure 8. Automotive-grade Film Capacitor for PCB Sales by Geographic Region (2021,
2025 & 2032) & (\$ millions)

Figure 9. Automotive-grade Film Capacitor for PCB Sales Market Share by
Country/Region (2025)

Figure 10. Automotive-grade Film Capacitor for PCB Sales Market Share by
Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of X2

Figure 12. Product Picture of Y2

Figure 13. Product Picture of Others

Figure 14. Global Automotive-grade Film Capacitor for PCB Sales Market Share by
Type in 2026

Figure 15. Global Automotive-grade Film Capacitor for PCB Revenue Market Share by
Type (2021-2026)

Figure 16. Product Picture of Capacitance

I would like to order

Product name: Global Automotive-grade Film Capacitor for PCB Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G28FE61EA5F1EN.html>

Price: US\$ 3,660.00 (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/G28FE61EA5F1EN.html>