

Global Automotive Thick Film Resistors Market Growth 2025-2031

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Abstracts

The global Automotive Thick Film Resistors market size is predicted to grow from US\$ 205 million in 2025 to US\$ 293 million in 2031; it is expected to grow at a CAGR of 6.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Thin and thick film resistors are the most common types in the market. They are characterized by a resistive layer on a ceramic base. Although their appearance might be very similar, their properties and manufacturing process are very different. The naming originates from the different layer thicknesses. Thin film has a thickness in the order of 0.1 micrometer or smaller, while thick film is around thousands time thicker. However, the main difference is method the resistive film is applied onto the substrate. Thin film resistors have a metallic film that is vacuum deposited on an insulating substrate. Thick film resistors are produced by firing a special paste onto the substrate. The paste is a mixture of glass and metal oxides. Thin film is more accurate, has a better temperature coefficient and is more stable. It therefore competes with other technologies that feature high precision, such as wire wound or bulk metal foil. On the other hand, thick film is preferred for applications where these high requirements are not critical since prices are much lower. This report studies the Thick Film Resistors in automotive market.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the

global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Thick Film Resistors Industry Forecast” looks at past sales and reviews total world Automotive Thick Film Resistors sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Thick Film Resistors sales for 2025 through 2031. With Automotive Thick Film Resistors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Thick Film Resistors industry.

This Insight Report provides a comprehensive analysis of the global Automotive Thick Film Resistors 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 Thick Film Resistors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Thick Film Resistors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Thick Film Resistors 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 Thick Film Resistors.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Thick Film Resistors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

SMD Type

Through Hole Type

Segmentation by Application:

Cars

SUV

Pickup Trucks

Commercial Vehicle

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Yageo

Ta-I Technology

KOA

Vishay

Bourns

Flex

Ralec Electronics Corp

Walsin Technology Corporation

Fenghua Advanced Technology

Samsung Electro-Mechanics

Panasonic

Uniroyal Electronics

Rohm

Tateyama Kagaku Industry

Elektronische Bauelemente GmbH (EBG)

Ever Ohms Technology Co., Ltd.

Viking

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Thick Film Resistors market?

What factors are driving Automotive Thick Film Resistors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Thick Film Resistors market opportunities vary by end market size?

How does Automotive Thick Film Resistors break out by Type, by Application?

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 Thick Film Resistors Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Automotive Thick Film Resistors by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Automotive Thick Film Resistors by Country/Region, 2020, 2024 & 2031
- 2.2 Automotive Thick Film Resistors Segment by Type
 - 2.2.1 SMD Type
 - 2.2.2 Through Hole Type
- 2.3 Automotive Thick Film Resistors Sales by Type
 - 2.3.1 Global Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Automotive Thick Film Resistors Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Automotive Thick Film Resistors Sale Price by Type (2020-2025)
- 2.4 Automotive Thick Film Resistors Segment by Application
 - 2.4.1 Cars
 - 2.4.2 SUV
 - 2.4.3 Pickup Trucks
 - 2.4.4 Commercial Vehicle
- 2.5 Automotive Thick Film Resistors Sales by Application
 - 2.5.1 Global Automotive Thick Film Resistors Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Automotive Thick Film Resistors Revenue and Market Share by

Application (2020-2025)

2.5.3 Global Automotive Thick Film Resistors Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Automotive Thick Film Resistors Breakdown Data by Company

3.1.1 Global Automotive Thick Film Resistors Annual Sales by Company (2020-2025)

3.1.2 Global Automotive Thick Film Resistors Sales Market Share by Company (2020-2025)

3.2 Global Automotive Thick Film Resistors Annual Revenue by Company (2020-2025)

3.2.1 Global Automotive Thick Film Resistors Revenue by Company (2020-2025)

3.2.2 Global Automotive Thick Film Resistors Revenue Market Share by Company (2020-2025)

3.3 Global Automotive Thick Film Resistors Sale Price by Company

3.4 Key Manufacturers Automotive Thick Film Resistors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Thick Film Resistors Product Location Distribution

3.4.2 Players Automotive Thick Film Resistors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE THICK FILM RESISTORS BY GEOGRAPHIC REGION

4.1 World Historic Automotive Thick Film Resistors Market Size by Geographic Region (2020-2025)

4.1.1 Global Automotive Thick Film Resistors Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Automotive Thick Film Resistors Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Automotive Thick Film Resistors Market Size by Country/Region (2020-2025)

4.2.1 Global Automotive Thick Film Resistors Annual Sales by Country/Region (2020-2025)

4.2.2 Global Automotive Thick Film Resistors Annual Revenue by Country/Region

(2020-2025)

4.3 Americas Automotive Thick Film Resistors Sales Growth

4.4 APAC Automotive Thick Film Resistors Sales Growth

4.5 Europe Automotive Thick Film Resistors Sales Growth

4.6 Middle East & Africa Automotive Thick Film Resistors Sales Growth

5 AMERICAS

5.1 Americas Automotive Thick Film Resistors Sales by Country

5.1.1 Americas Automotive Thick Film Resistors Sales by Country (2020-2025)

5.1.2 Americas Automotive Thick Film Resistors Revenue by Country (2020-2025)

5.2 Americas Automotive Thick Film Resistors Sales by Type (2020-2025)

5.3 Americas Automotive Thick Film Resistors Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Automotive Thick Film Resistors Sales by Region

6.1.1 APAC Automotive Thick Film Resistors Sales by Region (2020-2025)

6.1.2 APAC Automotive Thick Film Resistors Revenue by Region (2020-2025)

6.2 APAC Automotive Thick Film Resistors Sales by Type (2020-2025)

6.3 APAC Automotive Thick Film Resistors Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Automotive Thick Film Resistors by Country

7.1.1 Europe Automotive Thick Film Resistors Sales by Country (2020-2025)

7.1.2 Europe Automotive Thick Film Resistors Revenue by Country (2020-2025)

7.2 Europe Automotive Thick Film Resistors Sales by Type (2020-2025)

7.3 Europe Automotive Thick Film Resistors Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Automotive Thick Film Resistors by Country

8.1.1 Middle East & Africa Automotive Thick Film Resistors Sales by Country (2020-2025)

8.1.2 Middle East & Africa Automotive Thick Film Resistors Revenue by Country (2020-2025)

8.2 Middle East & Africa Automotive Thick Film Resistors Sales by Type (2020-2025)

8.3 Middle East & Africa Automotive Thick Film Resistors Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Automotive Thick Film Resistors

10.3 Manufacturing Process Analysis of Automotive Thick Film Resistors

10.4 Industry Chain Structure of Automotive Thick Film Resistors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

- 11.1.1 Direct Channels
- 11.1.2 Indirect Channels
- 11.2 Automotive Thick Film Resistors Distributors
- 11.3 Automotive Thick Film Resistors Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE THICK FILM RESISTORS BY GEOGRAPHIC REGION

- 12.1 Global Automotive Thick Film Resistors Market Size Forecast by Region
 - 12.1.1 Global Automotive Thick Film Resistors Forecast by Region (2026-2031)
 - 12.1.2 Global Automotive Thick Film Resistors Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Automotive Thick Film Resistors Forecast by Type (2026-2031)
- 12.7 Global Automotive Thick Film Resistors Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 Yageo
 - 13.1.1 Yageo Company Information
 - 13.1.2 Yageo Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.1.3 Yageo Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 Yageo Main Business Overview
 - 13.1.5 Yageo Latest Developments
- 13.2 Ta-I Technology
 - 13.2.1 Ta-I Technology Company Information
 - 13.2.2 Ta-I Technology Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.2.3 Ta-I Technology Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 Ta-I Technology Main Business Overview
 - 13.2.5 Ta-I Technology Latest Developments
- 13.3 KOA
 - 13.3.1 KOA Company Information
 - 13.3.2 KOA Automotive Thick Film Resistors Product Portfolios and Specifications

13.3.3 KOA Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 KOA Main Business Overview

13.3.5 KOA Latest Developments

13.4 Vishay

13.4.1 Vishay Company Information

13.4.2 Vishay Automotive Thick Film Resistors Product Portfolios and Specifications

13.4.3 Vishay Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Vishay Main Business Overview

13.4.5 Vishay Latest Developments

13.5 Bourns

13.5.1 Bourns Company Information

13.5.2 Bourns Automotive Thick Film Resistors Product Portfolios and Specifications

13.5.3 Bourns Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Bourns Main Business Overview

13.5.5 Bourns Latest Developments

13.6 Flex

13.6.1 Flex Company Information

13.6.2 Flex Automotive Thick Film Resistors Product Portfolios and Specifications

13.6.3 Flex Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Flex Main Business Overview

13.6.5 Flex Latest Developments

13.7 Ralec Electronics Corp

13.7.1 Ralec Electronics Corp Company Information

13.7.2 Ralec Electronics Corp Automotive Thick Film Resistors Product Portfolios and Specifications

13.7.3 Ralec Electronics Corp Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Ralec Electronics Corp Main Business Overview

13.7.5 Ralec Electronics Corp Latest Developments

13.8 Walsin Technology Corporation

13.8.1 Walsin Technology Corporation Company Information

13.8.2 Walsin Technology Corporation Automotive Thick Film Resistors Product Portfolios and Specifications

13.8.3 Walsin Technology Corporation Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.8.4 Walsin Technology Corporation Main Business Overview
- 13.8.5 Walsin Technology Corporation Latest Developments
- 13.9 Fenghua Advanced Technology
 - 13.9.1 Fenghua Advanced Technology Company Information
 - 13.9.2 Fenghua Advanced Technology Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.9.3 Fenghua Advanced Technology Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Fenghua Advanced Technology Main Business Overview
 - 13.9.5 Fenghua Advanced Technology Latest Developments
- 13.10 Samsung Electro-Mechanics
 - 13.10.1 Samsung Electro-Mechanics Company Information
 - 13.10.2 Samsung Electro-Mechanics Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.10.3 Samsung Electro-Mechanics Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Samsung Electro-Mechanics Main Business Overview
 - 13.10.5 Samsung Electro-Mechanics Latest Developments
- 13.11 Panasonic
 - 13.11.1 Panasonic Company Information
 - 13.11.2 Panasonic Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.11.3 Panasonic Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 Panasonic Main Business Overview
 - 13.11.5 Panasonic Latest Developments
- 13.12 Uniroyal Electronics
 - 13.12.1 Uniroyal Electronics Company Information
 - 13.12.2 Uniroyal Electronics Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.12.3 Uniroyal Electronics Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.12.4 Uniroyal Electronics Main Business Overview
 - 13.12.5 Uniroyal Electronics Latest Developments
- 13.13 Rohm
 - 13.13.1 Rohm Company Information
 - 13.13.2 Rohm Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.13.3 Rohm Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.13.4 Rohm Main Business Overview
- 13.13.5 Rohm Latest Developments
- 13.14 Tateyama Kagaku Industry
 - 13.14.1 Tateyama Kagaku Industry Company Information
 - 13.14.2 Tateyama Kagaku Industry Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.14.3 Tateyama Kagaku Industry Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.14.4 Tateyama Kagaku Industry Main Business Overview
 - 13.14.5 Tateyama Kagaku Industry Latest Developments
- 13.15 Elektronische Bauelemente GmbH (EBG)
 - 13.15.1 Elektronische Bauelemente GmbH (EBG) Company Information
 - 13.15.2 Elektronische Bauelemente GmbH (EBG) Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.15.3 Elektronische Bauelemente GmbH (EBG) Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.15.4 Elektronische Bauelemente GmbH (EBG) Main Business Overview
 - 13.15.5 Elektronische Bauelemente GmbH (EBG) Latest Developments
- 13.16 Ever Ohms Technology Co., Ltd.
 - 13.16.1 Ever Ohms Technology Co., Ltd. Company Information
 - 13.16.2 Ever Ohms Technology Co., Ltd. Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.16.3 Ever Ohms Technology Co., Ltd. Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.16.4 Ever Ohms Technology Co., Ltd. Main Business Overview
 - 13.16.5 Ever Ohms Technology Co., Ltd. Latest Developments
- 13.17 Viking
 - 13.17.1 Viking Company Information
 - 13.17.2 Viking Automotive Thick Film Resistors Product Portfolios and Specifications
 - 13.17.3 Viking Automotive Thick Film Resistors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.17.4 Viking Main Business Overview
 - 13.17.5 Viking Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Automotive Thick Film Resistors Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Automotive Thick Film Resistors Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of SMD Type

Table 4. Major Players of Through Hole Type

Table 5. Global Automotive Thick Film Resistors Sales by Type (2020-2025) & (Million Units)

Table 6. Global Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)

Table 7. Global Automotive Thick Film Resistors Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Automotive Thick Film Resistors Revenue Market Share by Type (2020-2025)

Table 9. Global Automotive Thick Film Resistors Sale Price by Type (2020-2025) & (USD/K Units)

Table 10. Global Automotive Thick Film Resistors Sale by Application (2020-2025) & (Million Units)

Table 11. Global Automotive Thick Film Resistors Sale Market Share by Application (2020-2025)

Table 12. Global Automotive Thick Film Resistors Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Automotive Thick Film Resistors Revenue Market Share by Application (2020-2025)

Table 14. Global Automotive Thick Film Resistors Sale Price by Application (2020-2025) & (USD/K Units)

Table 15. Global Automotive Thick Film Resistors Sales by Company (2020-2025) & (Million Units)

Table 16. Global Automotive Thick Film Resistors Sales Market Share by Company (2020-2025)

Table 17. Global Automotive Thick Film Resistors Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Automotive Thick Film Resistors Revenue Market Share by Company (2020-2025)

Table 19. Global Automotive Thick Film Resistors Sale Price by Company (2020-2025)

& (USD/K Units)

Table 20. Key Manufacturers Automotive Thick Film Resistors Producing Area Distribution and Sales Area

Table 21. Players Automotive Thick Film Resistors Products Offered

Table 22. Automotive Thick Film Resistors Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Automotive Thick Film Resistors Sales by Geographic Region (2020-2025) & (Million Units)

Table 26. Global Automotive Thick Film Resistors Sales Market Share Geographic Region (2020-2025)

Table 27. Global Automotive Thick Film Resistors Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Automotive Thick Film Resistors Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Automotive Thick Film Resistors Sales by Country/Region (2020-2025) & (Million Units)

Table 30. Global Automotive Thick Film Resistors Sales Market Share by Country/Region (2020-2025)

Table 31. Global Automotive Thick Film Resistors Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Automotive Thick Film Resistors Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Automotive Thick Film Resistors Sales by Country (2020-2025) & (Million Units)

Table 34. Americas Automotive Thick Film Resistors Sales Market Share by Country (2020-2025)

Table 35. Americas Automotive Thick Film Resistors Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Automotive Thick Film Resistors Sales by Type (2020-2025) & (Million Units)

Table 37. Americas Automotive Thick Film Resistors Sales by Application (2020-2025) & (Million Units)

Table 38. APAC Automotive Thick Film Resistors Sales by Region (2020-2025) & (Million Units)

Table 39. APAC Automotive Thick Film Resistors Sales Market Share by Region (2020-2025)

Table 40. APAC Automotive Thick Film Resistors Revenue by Region (2020-2025) & (\$

millions)

Table 41. APAC Automotive Thick Film Resistors Sales by Type (2020-2025) & (Million Units)

Table 42. APAC Automotive Thick Film Resistors Sales by Application (2020-2025) & (Million Units)

Table 43. Europe Automotive Thick Film Resistors Sales by Country (2020-2025) & (Million Units)

Table 44. Europe Automotive Thick Film Resistors Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Automotive Thick Film Resistors Sales by Type (2020-2025) & (Million Units)

Table 46. Europe Automotive Thick Film Resistors Sales by Application (2020-2025) & (Million Units)

Table 47. Middle East & Africa Automotive Thick Film Resistors Sales by Country (2020-2025) & (Million Units)

Table 48. Middle East & Africa Automotive Thick Film Resistors Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Automotive Thick Film Resistors Sales by Type (2020-2025) & (Million Units)

Table 50. Middle East & Africa Automotive Thick Film Resistors Sales by Application (2020-2025) & (Million Units)

Table 51. Key Market Drivers & Growth Opportunities of Automotive Thick Film Resistors

Table 52. Key Market Challenges & Risks of Automotive Thick Film Resistors

Table 53. Key Industry Trends of Automotive Thick Film Resistors

Table 54. Automotive Thick Film Resistors Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Automotive Thick Film Resistors Distributors List

Table 57. Automotive Thick Film Resistors Customer List

Table 58. Global Automotive Thick Film Resistors Sales Forecast by Region (2026-2031) & (Million Units)

Table 59. Global Automotive Thick Film Resistors Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Automotive Thick Film Resistors Sales Forecast by Country (2026-2031) & (Million Units)

Table 61. Americas Automotive Thick Film Resistors Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Automotive Thick Film Resistors Sales Forecast by Region (2026-2031) & (Million Units)

- Table 63. APAC Automotive Thick Film Resistors Annual Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 64. Europe Automotive Thick Film Resistors Sales Forecast by Country (2026-2031) & (Million Units)
- Table 65. Europe Automotive Thick Film Resistors Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 66. Middle East & Africa Automotive Thick Film Resistors Sales Forecast by Country (2026-2031) & (Million Units)
- Table 67. Middle East & Africa Automotive Thick Film Resistors Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 68. Global Automotive Thick Film Resistors Sales Forecast by Type (2026-2031) & (Million Units)
- Table 69. Global Automotive Thick Film Resistors Revenue Forecast by Type (2026-2031) & (\$ millions)
- Table 70. Global Automotive Thick Film Resistors Sales Forecast by Application (2026-2031) & (Million Units)
- Table 71. Global Automotive Thick Film Resistors Revenue Forecast by Application (2026-2031) & (\$ millions)
- Table 72. Yageo Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors
- Table 73. Yageo Automotive Thick Film Resistors Product Portfolios and Specifications
- Table 74. Yageo Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)
- Table 75. Yageo Main Business
- Table 76. Yageo Latest Developments
- Table 77. Ta-I Technology Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors
- Table 78. Ta-I Technology Automotive Thick Film Resistors Product Portfolios and Specifications
- Table 79. Ta-I Technology Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)
- Table 80. Ta-I Technology Main Business
- Table 81. Ta-I Technology Latest Developments
- Table 82. KOA Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors
- Table 83. KOA Automotive Thick Film Resistors Product Portfolios and Specifications
- Table 84. KOA Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)
- Table 85. KOA Main Business

Table 86. KOA Latest Developments

Table 87. Vishay Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 88. Vishay Automotive Thick Film Resistors Product Portfolios and Specifications

Table 89. Vishay Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 90. Vishay Main Business

Table 91. Vishay Latest Developments

Table 92. Bourns Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 93. Bourns Automotive Thick Film Resistors Product Portfolios and Specifications

Table 94. Bourns Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 95. Bourns Main Business

Table 96. Bourns Latest Developments

Table 97. Flex Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 98. Flex Automotive Thick Film Resistors Product Portfolios and Specifications

Table 99. Flex Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 100. Flex Main Business

Table 101. Flex Latest Developments

Table 102. Ralec Electronics Corp Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 103. Ralec Electronics Corp Automotive Thick Film Resistors Product Portfolios and Specifications

Table 104. Ralec Electronics Corp Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 105. Ralec Electronics Corp Main Business

Table 106. Ralec Electronics Corp Latest Developments

Table 107. Walsin Technology Corporation Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 108. Walsin Technology Corporation Automotive Thick Film Resistors Product Portfolios and Specifications

Table 109. Walsin Technology Corporation Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 110. Walsin Technology Corporation Main Business

Table 111. Walsin Technology Corporation Latest Developments

Table 112. Fenghua Advanced Technology Basic Information, Automotive Thick Film

Resistors Manufacturing Base, Sales Area and Its Competitors

Table 113. Fenghua Advanced Technology Automotive Thick Film Resistors Product Portfolios and Specifications

Table 114. Fenghua Advanced Technology Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 115. Fenghua Advanced Technology Main Business

Table 116. Fenghua Advanced Technology Latest Developments

Table 117. Samsung Electro-Mechanics Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 118. Samsung Electro-Mechanics Automotive Thick Film Resistors Product Portfolios and Specifications

Table 119. Samsung Electro-Mechanics Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 120. Samsung Electro-Mechanics Main Business

Table 121. Samsung Electro-Mechanics Latest Developments

Table 122. Panasonic Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 123. Panasonic Automotive Thick Film Resistors Product Portfolios and Specifications

Table 124. Panasonic Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 125. Panasonic Main Business

Table 126. Panasonic Latest Developments

Table 127. Uniroyal Electronics Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 128. Uniroyal Electronics Automotive Thick Film Resistors Product Portfolios and Specifications

Table 129. Uniroyal Electronics Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 130. Uniroyal Electronics Main Business

Table 131. Uniroyal Electronics Latest Developments

Table 132. Rohm Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 133. Rohm Automotive Thick Film Resistors Product Portfolios and Specifications

Table 134. Rohm Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 135. Rohm Main Business

Table 136. Rohm Latest Developments

Table 137. Tateyama Kagaku Industry Basic Information, Automotive Thick Film

Resistors Manufacturing Base, Sales Area and Its Competitors

Table 138. Tateyama Kagaku Industry Automotive Thick Film Resistors Product Portfolios and Specifications

Table 139. Tateyama Kagaku Industry Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 140. Tateyama Kagaku Industry Main Business

Table 141. Tateyama Kagaku Industry Latest Developments

Table 142. Elektronische Bauelemente GmbH (EBG) Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 143. Elektronische Bauelemente GmbH (EBG) Automotive Thick Film Resistors Product Portfolios and Specifications

Table 144. Elektronische Bauelemente GmbH (EBG) Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 145. Elektronische Bauelemente GmbH (EBG) Main Business

Table 146. Elektronische Bauelemente GmbH (EBG) Latest Developments

Table 147. Ever Ohms Technology Co., Ltd. Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 148. Ever Ohms Technology Co., Ltd. Automotive Thick Film Resistors Product Portfolios and Specifications

Table 149. Ever Ohms Technology Co., Ltd. Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 150. Ever Ohms Technology Co., Ltd. Main Business

Table 151. Ever Ohms Technology Co., Ltd. Latest Developments

Table 152. Viking Basic Information, Automotive Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 153. Viking Automotive Thick Film Resistors Product Portfolios and Specifications

Table 154. Viking Automotive Thick Film Resistors Sales (Million Units), Revenue (\$ Million), Price (USD/K Units) and Gross Margin (2020-2025)

Table 155. Viking Main Business

Table 156. Viking Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Automotive Thick Film Resistors
- Figure 2. Automotive Thick Film Resistors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Automotive Thick Film Resistors Sales Growth Rate 2020-2031 (Million Units)
- Figure 7. Global Automotive Thick Film Resistors Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Automotive Thick Film Resistors Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Automotive Thick Film Resistors Sales Market Share by Country/Region (2024)
- Figure 10. Automotive Thick Film Resistors Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of SMD Type
- Figure 12. Product Picture of Through Hole Type
- Figure 13. Global Automotive Thick Film Resistors Sales Market Share by Type in 2025
- Figure 14. Global Automotive Thick Film Resistors Revenue Market Share by Type (2020-2025)
- Figure 15. Automotive Thick Film Resistors Consumed in Cars
- Figure 16. Global Automotive Thick Film Resistors Market: Cars (2020-2025) & (Million Units)
- Figure 17. Automotive Thick Film Resistors Consumed in SUV
- Figure 18. Global Automotive Thick Film Resistors Market: SUV (2020-2025) & (Million Units)
- Figure 19. Automotive Thick Film Resistors Consumed in Pickup Trucks
- Figure 20. Global Automotive Thick Film Resistors Market: Pickup Trucks (2020-2025) & (Million Units)
- Figure 21. Automotive Thick Film Resistors Consumed in Commercial Vehicle
- Figure 22. Global Automotive Thick Film Resistors Market: Commercial Vehicle (2020-2025) & (Million Units)
- Figure 23. Global Automotive Thick Film Resistors Sale Market Share by Application (2024)
- Figure 24. Global Automotive Thick Film Resistors Revenue Market Share by

Application in 2025

Figure 25. Automotive Thick Film Resistors Sales by Company in 2025 (Million Units)

Figure 26. Global Automotive Thick Film Resistors Sales Market Share by Company in 2025

Figure 27. Automotive Thick Film Resistors Revenue by Company in 2025 (\$ millions)

Figure 28. Global Automotive Thick Film Resistors Revenue Market Share by Company in 2025

Figure 29. Global Automotive Thick Film Resistors Sales Market Share by Geographic Region (2020-2025)

Figure 30. Global Automotive Thick Film Resistors Revenue Market Share by Geographic Region in 2025

Figure 31. Americas Automotive Thick Film Resistors Sales 2020-2025 (Million Units)

Figure 32. Americas Automotive Thick Film Resistors Revenue 2020-2025 (\$ millions)

Figure 33. APAC Automotive Thick Film Resistors Sales 2020-2025 (Million Units)

Figure 34. APAC Automotive Thick Film Resistors Revenue 2020-2025 (\$ millions)

Figure 35. Europe Automotive Thick Film Resistors Sales 2020-2025 (Million Units)

Figure 36. Europe Automotive Thick Film Resistors Revenue 2020-2025 (\$ millions)

Figure 37. Middle East & Africa Automotive Thick Film Resistors Sales 2020-2025 (Million Units)

Figure 38. Middle East & Africa Automotive Thick Film Resistors Revenue 2020-2025 (\$ millions)

Figure 39. Americas Automotive Thick Film Resistors Sales Market Share by Country in 2025

Figure 40. Americas Automotive Thick Film Resistors Revenue Market Share by Country (2020-2025)

Figure 41. Americas Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)

Figure 42. Americas Automotive Thick Film Resistors Sales Market Share by Application (2020-2025)

Figure 43. United States Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 44. Canada Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 45. Mexico Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 46. Brazil Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 47. APAC Automotive Thick Film Resistors Sales Market Share by Region in 2025

Figure 48. APAC Automotive Thick Film Resistors Revenue Market Share by Region (2020-2025)

Figure 49. APAC Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)

Figure 50. APAC Automotive Thick Film Resistors Sales Market Share by Application (2020-2025)

Figure 51. China Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 52. Japan Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 53. South Korea Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 54. Southeast Asia Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 55. India Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 56. Australia Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 57. China Taiwan Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 58. Europe Automotive Thick Film Resistors Sales Market Share by Country in 2025

Figure 59. Europe Automotive Thick Film Resistors Revenue Market Share by Country (2020-2025)

Figure 60. Europe Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)

Figure 61. Europe Automotive Thick Film Resistors Sales Market Share by Application (2020-2025)

Figure 62. Germany Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 63. France Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 64. UK Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 65. Italy Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 66. Russia Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 67. Middle East & Africa Automotive Thick Film Resistors Sales Market Share by Country (2020-2025)

Figure 68. Middle East & Africa Automotive Thick Film Resistors Sales Market Share by Type (2020-2025)

Figure 69. Middle East & Africa Automotive Thick Film Resistors Sales Market Share by Application (2020-2025)

Figure 70. Egypt Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 71. South Africa Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 72. Israel Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 73. Turkey Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 74. GCC Countries Automotive Thick Film Resistors Revenue Growth 2020-2025 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Automotive Thick Film Resistors in 2025

Figure 76. Manufacturing Process Analysis of Automotive Thick Film Resistors

Figure 77. Industry Chain Structure of Automotive Thick Film Resistors

Figure 78. Channels of Distribution

Figure 79. Global Automotive Thick Film Resistors Sales Market Forecast by Region (2026-2031)

Figure 80. Global Automotive Thick Film Resistors Revenue Market Share Forecast by Region (2026-2031)

Figure 81. Global Automotive Thick Film Resistors Sales Market Share Forecast by Type (2026-2031)

Figure 82. Global Automotive Thick Film Resistors Revenue Market Share Forecast by Type (2026-2031)

Figure 83. Global Automotive Thick Film Resistors Sales Market Share Forecast by Application (2026-2031)

Figure 84. Global Automotive Thick Film Resistors Revenue Market Share Forecast by Application (2026-2031)

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