

Global Thick Film Resistors Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Thick Film Resistors market size was valued at US\$ 1461.5 million in 2023. With growing demand in downstream market, the Thick Film Resistors is forecast to a readjusted size of US\$ 2067.9 million by 2030 with a CAGR of 5.1% during review period.

The research report highlights the growth potential of the global Thick Film Resistors market. Thick Film Resistors are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Thick Film Resistors. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Thick Film Resistors market.

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 market.

Global Thick Film Resistors key players include Yageo, KOA, Vishay, Panasonic, Recticel, etc. Global top five manufacturers hold a share over 50%.

China is the largest market, with a share about 45%, followed by Europe and Southeast Asia, both have a share about 25 percent.

In terms of product, SMD Type is the largest segment, with a share about 90%. And in terms of application, the largest application is Consumer Electronics, followed by Telecommunications, Automotive/Energy, Industrial/Medical, etc.

Key Features:

The report on Thick Film Resistors market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Thick Film Resistors market. It may include historical data, market segmentation by Type (e.g., SMD Type, Through Hole Type), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Thick Film Resistors market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Thick Film Resistors market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Thick Film Resistors industry. This include advancements in Thick Film Resistors technology, Thick Film Resistors new entrants, Thick Film Resistors new investment, and other innovations that are shaping the future of Thick Film Resistors.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Thick Film Resistors market. It

includes factors influencing customer ' purchasing decisions, preferences for Thick Film Resistors product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Thick Film Resistors market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Thick Film Resistors market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Thick Film Resistors market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Thick Film Resistors industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Thick Film Resistors market.

Market Segmentation:

Thick Film Resistors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

SMD Type

Through Hole Type

Segmentation by application

Consumer Electronics

Telecommunications

Automotive/Energy

Industrial/Medical

Others

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 analyzing the company's coverage, product portfolio, its market penetration.

Yageo

Ta-I Technology Co., Ltd

KOA

Vishay

Ralec Electronics Corp.

Walsin Technology Corporation

Fenghua Advanced Technology

Samsung Electro-Mechanics

Panasonic

Uni Ohm

Rohm Co., Ltd.

Tateyama Kagaku Industry Co., Ltd.

Elektronische Bauelemente GmbH (EBG)

Ever Ohms Technology Co., Ltd.

Key Questions Addressed in this Report

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

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

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

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

How does Thick Film Resistors break out type, 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 Thick Film Resistors Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Thick Film Resistors by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Thick Film Resistors by Country/Region, 2019, 2023 & 2030
- 2.2 Thick Film Resistors Segment by Type
 - 2.2.1 SMD Type
 - 2.2.2 Through Hole Type
- 2.3 Thick Film Resistors Sales by Type
 - 2.3.1 Global Thick Film Resistors Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Thick Film Resistors Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Thick Film Resistors Sale Price by Type (2019-2024)
- 2.4 Thick Film Resistors Segment by Application
 - 2.4.1 Consumer Electronics
 - 2.4.2 Telecommunications
 - 2.4.3 Automotive/Energy
 - 2.4.4 Industrial/Medical
 - 2.4.5 Others
- 2.5 Thick Film Resistors Sales by Application
 - 2.5.1 Global Thick Film Resistors Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Thick Film Resistors Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global Thick Film Resistors Sale Price by Application (2019-2024)

3 GLOBAL THICK FILM RESISTORS BY COMPANY

3.1 Global Thick Film Resistors Breakdown Data by Company

3.1.1 Global Thick Film Resistors Annual Sales by Company (2019-2024)

3.1.2 Global Thick Film Resistors Sales Market Share by Company (2019-2024)

3.2 Global Thick Film Resistors Annual Revenue by Company (2019-2024)

3.2.1 Global Thick Film Resistors Revenue by Company (2019-2024)

3.2.2 Global Thick Film Resistors Revenue Market Share by Company (2019-2024)

3.3 Global Thick Film Resistors Sale Price by Company

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

3.4.1 Key Manufacturers Thick Film Resistors Product Location Distribution

3.4.2 Players 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) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR THICK FILM RESISTORS BY GEOGRAPHIC REGION

4.1 World Historic Thick Film Resistors Market Size by Geographic Region (2019-2024)

4.1.1 Global Thick Film Resistors Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Thick Film Resistors Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Thick Film Resistors Market Size by Country/Region (2019-2024)

4.2.1 Global Thick Film Resistors Annual Sales by Country/Region (2019-2024)

4.2.2 Global Thick Film Resistors Annual Revenue by Country/Region (2019-2024)

4.3 Americas Thick Film Resistors Sales Growth

4.4 APAC Thick Film Resistors Sales Growth

4.5 Europe Thick Film Resistors Sales Growth

4.6 Middle East & Africa Thick Film Resistors Sales Growth

5 AMERICAS

5.1 Americas Thick Film Resistors Sales by Country

5.1.1 Americas Thick Film Resistors Sales by Country (2019-2024)

5.1.2 Americas Thick Film Resistors Revenue by Country (2019-2024)

- 5.2 Americas Thick Film Resistors Sales by Type
- 5.3 Americas Thick Film Resistors Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Thick Film Resistors Sales by Region
 - 6.1.1 APAC Thick Film Resistors Sales by Region (2019-2024)
 - 6.1.2 APAC Thick Film Resistors Revenue by Region (2019-2024)
- 6.2 APAC Thick Film Resistors Sales by Type
- 6.3 APAC Thick Film Resistors Sales by Application
- 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 Thick Film Resistors by Country
 - 7.1.1 Europe Thick Film Resistors Sales by Country (2019-2024)
 - 7.1.2 Europe Thick Film Resistors Revenue by Country (2019-2024)
- 7.2 Europe Thick Film Resistors Sales by Type
- 7.3 Europe Thick Film Resistors Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Thick Film Resistors by Country
 - 8.1.1 Middle East & Africa Thick Film Resistors Sales by Country (2019-2024)

- 8.1.2 Middle East & Africa Thick Film Resistors Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Thick Film Resistors Sales by Type
- 8.3 Middle East & Africa Thick Film Resistors Sales by Application
- 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 Thick Film Resistors
- 10.3 Manufacturing Process Analysis of Thick Film Resistors
- 10.4 Industry Chain Structure of Thick Film Resistors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Thick Film Resistors Distributors
- 11.3 Thick Film Resistors Customer

12 WORLD FORECAST REVIEW FOR THICK FILM RESISTORS BY GEOGRAPHIC REGION

- 12.1 Global Thick Film Resistors Market Size Forecast by Region
 - 12.1.1 Global Thick Film Resistors Forecast by Region (2025-2030)
 - 12.1.2 Global Thick Film Resistors Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country

- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Thick Film Resistors Forecast by Type
- 12.7 Global Thick Film Resistors Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Yageo

- 13.1.1 Yageo Company Information
- 13.1.2 Yageo Thick Film Resistors Product Portfolios and Specifications
- 13.1.3 Yageo Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Yageo Main Business Overview
- 13.1.5 Yageo Latest Developments

13.2 Ta-I Technology Co., Ltd

- 13.2.1 Ta-I Technology Co., Ltd Company Information
- 13.2.2 Ta-I Technology Co., Ltd Thick Film Resistors Product Portfolios and Specifications
- 13.2.3 Ta-I Technology Co., Ltd Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 Ta-I Technology Co., Ltd Main Business Overview
- 13.2.5 Ta-I Technology Co., Ltd Latest Developments

13.3 KOA

- 13.3.1 KOA Company Information
- 13.3.2 KOA Thick Film Resistors Product Portfolios and Specifications
- 13.3.3 KOA Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
- 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 Thick Film Resistors Product Portfolios and Specifications
- 13.4.3 Vishay Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 Vishay Main Business Overview
- 13.4.5 Vishay Latest Developments

13.5 Ralec Electronics Corp.

- 13.5.1 Ralec Electronics Corp. Company Information
- 13.5.2 Ralec Electronics Corp. Thick Film Resistors Product Portfolios and Specifications

- 13.5.3 Ralec Electronics Corp. Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.5.4 Ralec Electronics Corp. Main Business Overview
- 13.5.5 Ralec Electronics Corp. Latest Developments
- 13.6 Walsin Technology Corporation
 - 13.6.1 Walsin Technology Corporation Company Information
 - 13.6.2 Walsin Technology Corporation Thick Film Resistors Product Portfolios and Specifications
 - 13.6.3 Walsin Technology Corporation Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Walsin Technology Corporation Main Business Overview
 - 13.6.5 Walsin Technology Corporation Latest Developments
- 13.7 Fenghua Advanced Technology
 - 13.7.1 Fenghua Advanced Technology Company Information
 - 13.7.2 Fenghua Advanced Technology Thick Film Resistors Product Portfolios and Specifications
 - 13.7.3 Fenghua Advanced Technology Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Fenghua Advanced Technology Main Business Overview
 - 13.7.5 Fenghua Advanced Technology Latest Developments
- 13.8 Samsung Electro-Mechanics
 - 13.8.1 Samsung Electro-Mechanics Company Information
 - 13.8.2 Samsung Electro-Mechanics Thick Film Resistors Product Portfolios and Specifications
 - 13.8.3 Samsung Electro-Mechanics Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Samsung Electro-Mechanics Main Business Overview
 - 13.8.5 Samsung Electro-Mechanics Latest Developments
- 13.9 Panasonic
 - 13.9.1 Panasonic Company Information
 - 13.9.2 Panasonic Thick Film Resistors Product Portfolios and Specifications
 - 13.9.3 Panasonic Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 Panasonic Main Business Overview
 - 13.9.5 Panasonic Latest Developments
- 13.10 Uni Ohm
 - 13.10.1 Uni Ohm Company Information
 - 13.10.2 Uni Ohm Thick Film Resistors Product Portfolios and Specifications
 - 13.10.3 Uni Ohm Thick Film Resistors Sales, Revenue, Price and Gross Margin

(2019-2024)

13.10.4 Uni Ohm Main Business Overview

13.10.5 Uni Ohm Latest Developments

13.11 Rohm Co., Ltd.

13.11.1 Rohm Co., Ltd. Company Information

13.11.2 Rohm Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

13.11.3 Rohm Co., Ltd. Thick Film Resistors Sales, Revenue, Price and Gross Margin

(2019-2024)

13.11.4 Rohm Co., Ltd. Main Business Overview

13.11.5 Rohm Co., Ltd. Latest Developments

13.12 Tateyama Kagaku Industry Co., Ltd.

13.12.1 Tateyama Kagaku Industry Co., Ltd. Company Information

13.12.2 Tateyama Kagaku Industry Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

13.12.3 Tateyama Kagaku Industry Co., Ltd. Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 Tateyama Kagaku Industry Co., Ltd. Main Business Overview

13.12.5 Tateyama Kagaku Industry Co., Ltd. Latest Developments

13.13 Elektronische Bauelemente GmbH (EBG)

13.13.1 Elektronische Bauelemente GmbH (EBG) Company Information

13.13.2 Elektronische Bauelemente GmbH (EBG) Thick Film Resistors Product Portfolios and Specifications

13.13.3 Elektronische Bauelemente GmbH (EBG) Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 Elektronische Bauelemente GmbH (EBG) Main Business Overview

13.13.5 Elektronische Bauelemente GmbH (EBG) Latest Developments

13.14 Ever Ohms Technology Co., Ltd.

13.14.1 Ever Ohms Technology Co., Ltd. Company Information

13.14.2 Ever Ohms Technology Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

13.14.3 Ever Ohms Technology Co., Ltd. Thick Film Resistors Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Ever Ohms Technology Co., Ltd. Main Business Overview

13.14.5 Ever Ohms Technology Co., Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Thick Film Resistors Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. Thick Film Resistors Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of SMD Type
- Table 4. Major Players of Through Hole Type
- Table 5. Global Thick Film Resistors Sales by Type (2019-2024) & (M Units)
- Table 6. Global Thick Film Resistors Sales Market Share by Type (2019-2024)
- Table 7. Global Thick Film Resistors Revenue by Type (2019-2024) & (\$ million)
- Table 8. Global Thick Film Resistors Revenue Market Share by Type (2019-2024)
- Table 9. Global Thick Film Resistors Sale Price by Type (2019-2024) & (USD/Unit)
- Table 10. Global Thick Film Resistors Sales by Application (2019-2024) & (M Units)
- Table 11. Global Thick Film Resistors Sales Market Share by Application (2019-2024)
- Table 12. Global Thick Film Resistors Revenue by Application (2019-2024)
- Table 13. Global Thick Film Resistors Revenue Market Share by Application (2019-2024)
- Table 14. Global Thick Film Resistors Sale Price by Application (2019-2024) & (USD/Unit)
- Table 15. Global Thick Film Resistors Sales by Company (2019-2024) & (M Units)
- Table 16. Global Thick Film Resistors Sales Market Share by Company (2019-2024)
- Table 17. Global Thick Film Resistors Revenue by Company (2019-2024) (\$ Millions)
- Table 18. Global Thick Film Resistors Revenue Market Share by Company (2019-2024)
- Table 19. Global Thick Film Resistors Sale Price by Company (2019-2024) & (USD/Unit)
- Table 20. Key Manufacturers Thick Film Resistors Producing Area Distribution and Sales Area
- Table 21. Players Thick Film Resistors Products Offered
- Table 22. Thick Film Resistors Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- Table 23. New Products and Potential Entrants
- Table 24. Mergers & Acquisitions, Expansion
- Table 25. Global Thick Film Resistors Sales by Geographic Region (2019-2024) & (M Units)
- Table 26. Global Thick Film Resistors Sales Market Share Geographic Region (2019-2024)

Table 27. Global Thick Film Resistors Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Thick Film Resistors Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Thick Film Resistors Sales by Country/Region (2019-2024) & (M Units)

Table 30. Global Thick Film Resistors Sales Market Share by Country/Region (2019-2024)

Table 31. Global Thick Film Resistors Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Thick Film Resistors Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Thick Film Resistors Sales by Country (2019-2024) & (M Units)

Table 34. Americas Thick Film Resistors Sales Market Share by Country (2019-2024)

Table 35. Americas Thick Film Resistors Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Thick Film Resistors Revenue Market Share by Country (2019-2024)

Table 37. Americas Thick Film Resistors Sales by Type (2019-2024) & (M Units)

Table 38. Americas Thick Film Resistors Sales by Application (2019-2024) & (M Units)

Table 39. APAC Thick Film Resistors Sales by Region (2019-2024) & (M Units)

Table 40. APAC Thick Film Resistors Sales Market Share by Region (2019-2024)

Table 41. APAC Thick Film Resistors Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Thick Film Resistors Revenue Market Share by Region (2019-2024)

Table 43. APAC Thick Film Resistors Sales by Type (2019-2024) & (M Units)

Table 44. APAC Thick Film Resistors Sales by Application (2019-2024) & (M Units)

Table 45. Europe Thick Film Resistors Sales by Country (2019-2024) & (M Units)

Table 46. Europe Thick Film Resistors Sales Market Share by Country (2019-2024)

Table 47. Europe Thick Film Resistors Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Thick Film Resistors Revenue Market Share by Country (2019-2024)

Table 49. Europe Thick Film Resistors Sales by Type (2019-2024) & (M Units)

Table 50. Europe Thick Film Resistors Sales by Application (2019-2024) & (M Units)

Table 51. Middle East & Africa Thick Film Resistors Sales by Country (2019-2024) & (M Units)

Table 52. Middle East & Africa Thick Film Resistors Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Thick Film Resistors Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Thick Film Resistors Revenue Market Share by Country (2019-2024)

- Table 55. Middle East & Africa Thick Film Resistors Sales by Type (2019-2024) & (M Units)
- Table 56. Middle East & Africa Thick Film Resistors Sales by Application (2019-2024) & (M Units)
- Table 57. Key Market Drivers & Growth Opportunities of Thick Film Resistors
- Table 58. Key Market Challenges & Risks of Thick Film Resistors
- Table 59. Key Industry Trends of Thick Film Resistors
- Table 60. Thick Film Resistors Raw Material
- Table 61. Key Suppliers of Raw Materials
- Table 62. Thick Film Resistors Distributors List
- Table 63. Thick Film Resistors Customer List
- Table 64. Global Thick Film Resistors Sales Forecast by Region (2025-2030) & (M Units)
- Table 65. Global Thick Film Resistors Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 66. Americas Thick Film Resistors Sales Forecast by Country (2025-2030) & (M Units)
- Table 67. Americas Thick Film Resistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 68. APAC Thick Film Resistors Sales Forecast by Region (2025-2030) & (M Units)
- Table 69. APAC Thick Film Resistors Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 70. Europe Thick Film Resistors Sales Forecast by Country (2025-2030) & (M Units)
- Table 71. Europe Thick Film Resistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 72. Middle East & Africa Thick Film Resistors Sales Forecast by Country (2025-2030) & (M Units)
- Table 73. Middle East & Africa Thick Film Resistors Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 74. Global Thick Film Resistors Sales Forecast by Type (2025-2030) & (M Units)
- Table 75. Global Thick Film Resistors Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 76. Global Thick Film Resistors Sales Forecast by Application (2025-2030) & (M Units)
- Table 77. Global Thick Film Resistors Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 78. Yageo Basic Information, Thick Film Resistors Manufacturing Base, Sales

Area and Its Competitors

Table 79. Yageo Thick Film Resistors Product Portfolios and Specifications

Table 80. Yageo Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 81. Yageo Main Business

Table 82. Yageo Latest Developments

Table 83. Ta-I Technology Co., Ltd Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 84. Ta-I Technology Co., Ltd Thick Film Resistors Product Portfolios and Specifications

Table 85. Ta-I Technology Co., Ltd Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 86. Ta-I Technology Co., Ltd Main Business

Table 87. Ta-I Technology Co., Ltd Latest Developments

Table 88. KOA Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 89. KOA Thick Film Resistors Product Portfolios and Specifications

Table 90. KOA Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 91. KOA Main Business

Table 92. KOA Latest Developments

Table 93. Vishay Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 94. Vishay Thick Film Resistors Product Portfolios and Specifications

Table 95. Vishay Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 96. Vishay Main Business

Table 97. Vishay Latest Developments

Table 98. Ralec Electronics Corp. Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 99. Ralec Electronics Corp. Thick Film Resistors Product Portfolios and Specifications

Table 100. Ralec Electronics Corp. Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 101. Ralec Electronics Corp. Main Business

Table 102. Ralec Electronics Corp. Latest Developments

Table 103. Walsin Technology Corporation Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 104. Walsin Technology Corporation Thick Film Resistors Product Portfolios and

Specifications

Table 105. Walsin Technology Corporation Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 106. Walsin Technology Corporation Main Business

Table 107. Walsin Technology Corporation Latest Developments

Table 108. Fenghua Advanced Technology Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 109. Fenghua Advanced Technology Thick Film Resistors Product Portfolios and Specifications

Table 110. Fenghua Advanced Technology Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 111. Fenghua Advanced Technology Main Business

Table 112. Fenghua Advanced Technology Latest Developments

Table 113. Samsung Electro-Mechanics Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 114. Samsung Electro-Mechanics Thick Film Resistors Product Portfolios and Specifications

Table 115. Samsung Electro-Mechanics Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 116. Samsung Electro-Mechanics Main Business

Table 117. Samsung Electro-Mechanics Latest Developments

Table 118. Panasonic Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 119. Panasonic Thick Film Resistors Product Portfolios and Specifications

Table 120. Panasonic Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 121. Panasonic Main Business

Table 122. Panasonic Latest Developments

Table 123. Uni Ohm Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 124. Uni Ohm Thick Film Resistors Product Portfolios and Specifications

Table 125. Uni Ohm Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 126. Uni Ohm Main Business

Table 127. Uni Ohm Latest Developments

Table 128. Rohm Co., Ltd. Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 129. Rohm Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

Table 130. Rohm Co., Ltd. Thick Film Resistors Sales (M Units), Revenue (\$ Million),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 131. Rohm Co., Ltd. Main Business

Table 132. Rohm Co., Ltd. Latest Developments

Table 133. Tateyama Kagaku Industry Co., Ltd. Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 134. Tateyama Kagaku Industry Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

Table 135. Tateyama Kagaku Industry Co., Ltd. Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 136. Tateyama Kagaku Industry Co., Ltd. Main Business

Table 137. Tateyama Kagaku Industry Co., Ltd. Latest Developments

Table 138. Elektronische Bauelemente GmbH (EBG) Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 139. Elektronische Bauelemente GmbH (EBG) Thick Film Resistors Product Portfolios and Specifications

Table 140. Elektronische Bauelemente GmbH (EBG) Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 141. Elektronische Bauelemente GmbH (EBG) Main Business

Table 142. Elektronische Bauelemente GmbH (EBG) Latest Developments

Table 143. Ever Ohms Technology Co., Ltd. Basic Information, Thick Film Resistors Manufacturing Base, Sales Area and Its Competitors

Table 144. Ever Ohms Technology Co., Ltd. Thick Film Resistors Product Portfolios and Specifications

Table 145. Ever Ohms Technology Co., Ltd. Thick Film Resistors Sales (M Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 146. Ever Ohms Technology Co., Ltd. Main Business

Table 147. Ever Ohms Technology Co., Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Thick Film Resistors
- Figure 2. Thick Film Resistors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Thick Film Resistors Sales Growth Rate 2019-2030 (M Units)
- Figure 7. Global Thick Film Resistors Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Thick Film Resistors Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of SMD Type
- Figure 10. Product Picture of Through Hole Type
- Figure 11. Global Thick Film Resistors Sales Market Share by Type in 2023
- Figure 12. Global Thick Film Resistors Revenue Market Share by Type (2019-2024)
- Figure 13. Thick Film Resistors Consumed in Consumer Electronics
- Figure 14. Global Thick Film Resistors Market: Consumer Electronics (2019-2024) & (M Units)
- Figure 15. Thick Film Resistors Consumed in Telecommunications
- Figure 16. Global Thick Film Resistors Market: Telecommunications (2019-2024) & (M Units)
- Figure 17. Thick Film Resistors Consumed in Automotive/Energy
- Figure 18. Global Thick Film Resistors Market: Automotive/Energy (2019-2024) & (M Units)
- Figure 19. Thick Film Resistors Consumed in Industrial/Medical
- Figure 20. Global Thick Film Resistors Market: Industrial/Medical (2019-2024) & (M Units)
- Figure 21. Thick Film Resistors Consumed in Others
- Figure 22. Global Thick Film Resistors Market: Others (2019-2024) & (M Units)
- Figure 23. Global Thick Film Resistors Sales Market Share by Application (2023)
- Figure 24. Global Thick Film Resistors Revenue Market Share by Application in 2023
- Figure 25. Thick Film Resistors Sales Market by Company in 2023 (M Units)
- Figure 26. Global Thick Film Resistors Sales Market Share by Company in 2023
- Figure 27. Thick Film Resistors Revenue Market by Company in 2023 (\$ Million)
- Figure 28. Global Thick Film Resistors Revenue Market Share by Company in 2023
- Figure 29. Global Thick Film Resistors Sales Market Share by Geographic Region (2019-2024)
- Figure 30. Global Thick Film Resistors Revenue Market Share by Geographic Region in

2023

Figure 31. Americas Thick Film Resistors Sales 2019-2024 (M Units)

Figure 32. Americas Thick Film Resistors Revenue 2019-2024 (\$ Millions)

Figure 33. APAC Thick Film Resistors Sales 2019-2024 (M Units)

Figure 34. APAC Thick Film Resistors Revenue 2019-2024 (\$ Millions)

Figure 35. Europe Thick Film Resistors Sales 2019-2024 (M Units)

Figure 36. Europe Thick Film Resistors Revenue 2019-2024 (\$ Millions)

Figure 37. Middle East & Africa Thick Film Resistors Sales 2019-2024 (M Units)

Figure 38. Middle East & Africa Thick Film Resistors Revenue 2019-2024 (\$ Millions)

Figure 39. Americas Thick Film Resistors Sales Market Share by Country in 2023

Figure 40. Americas Thick Film Resistors Revenue Market Share by Country in 2023

Figure 41. Americas Thick Film Resistors Sales Market Share by Type (2019-2024)

Figure 42. Americas Thick Film Resistors Sales Market Share by Application (2019-2024)

Figure 43. United States Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Canada Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Mexico Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Brazil Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 47. APAC Thick Film Resistors Sales Market Share by Region in 2023

Figure 48. APAC Thick Film Resistors Revenue Market Share by Regions in 2023

Figure 49. APAC Thick Film Resistors Sales Market Share by Type (2019-2024)

Figure 50. APAC Thick Film Resistors Sales Market Share by Application (2019-2024)

Figure 51. China Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Japan Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 53. South Korea Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Southeast Asia Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 55. India Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Australia Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 57. China Taiwan Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Europe Thick Film Resistors Sales Market Share by Country in 2023

Figure 59. Europe Thick Film Resistors Revenue Market Share by Country in 2023

Figure 60. Europe Thick Film Resistors Sales Market Share by Type (2019-2024)

Figure 61. Europe Thick Film Resistors Sales Market Share by Application (2019-2024)

Figure 62. Germany Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 63. France Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 64. UK Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Italy Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Russia Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 67. Middle East & Africa Thick Film Resistors Sales Market Share by Country in

2023

Figure 68. Middle East & Africa Thick Film Resistors Revenue Market Share by Country in 2023

Figure 69. Middle East & Africa Thick Film Resistors Sales Market Share by Type (2019-2024)

Figure 70. Middle East & Africa Thick Film Resistors Sales Market Share by Application (2019-2024)

Figure 71. Egypt Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 72. South Africa Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Israel Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Turkey Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 75. GCC Country Thick Film Resistors Revenue Growth 2019-2024 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of Thick Film Resistors in 2023

Figure 77. Manufacturing Process Analysis of Thick Film Resistors

Figure 78. Industry Chain Structure of Thick Film Resistors

Figure 79. Channels of Distribution

Figure 80. Global Thick Film Resistors Sales Market Forecast by Region (2025-2030)

Figure 81. Global Thick Film Resistors Revenue Market Share Forecast by Region (2025-2030)

Figure 82. Global Thick Film Resistors Sales Market Share Forecast by Type (2025-2030)

Figure 83. Global Thick Film Resistors Revenue Market Share Forecast by Type (2025-2030)

Figure 84. Global Thick Film Resistors Sales Market Share Forecast by Application (2025-2030)

Figure 85. Global Thick Film Resistors Revenue Market Share Forecast by Application (2025-2030)

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