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. This report studies the SMD type Thick Film Resistors.

Since February 2017, many Taiwanese have adjusted the prices of thick film resistors from time to time, leading to a very chaotic market for thick film resistors. The main reasons for the increase in prices are as follows: continuous rise of raw materials and packaging materials, improvement of environmental protection requirements, and continuous increase in labor costs etc.

According to this study, over the next five years the SMD Thick Film Resistors market will register a xx% CAGR in terms of revenue, the global market size will reach US$ xx million by 2024, from US$ xx million in 2019. In particular, this report presents the global market share (sales and revenue) of key companies in SMD Thick Film Resistors business, shared in Chapter 3.

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

This report also splits the market by region: Breakdown data in Chapter 4, 5, 6, 7 and 8.
In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global SMD Thick Film Resistors consumption (value & volume) by key regions/countries, product type and application, history data from 2014 to 2018, and forecast to 2024.

To understand the structure of SMD Thick Film Resistors market by identifying its various subsegments.

Focuses on the key global SMD Thick Film Resistors manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the SMD Thick Film Resistors with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of SMD Thick Film Resistors submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

Table of Contents

2019-2024 Global SMD Thick Film Resistors Consumption Market Report

1 Scope of the Report

1.1 Market Introduction
1.2 Research Objectives
1.3 Years Considered
1.4 Market Research Methodology
1.5 Economic Indicators
1.6 Currency Considered

2 Executive Summary

2.1 World Market Overview
2.1.1 Global SMD Thick Film Resistors Consumption 2014-2024
2.1.2 SMD Thick Film Resistors Consumption CAGR by Region

2.2 SMD Thick Film Resistors Segment by Type
2.2.1 0402 mm
2.2.2 0603 mm
2.2.3 1005 mm
2.2.4 0201 mm
2.2.5 Others

2.3 SMD Thick Film Resistors Consumption by Type
2.3.1 Global SMD Thick Film Resistors Consumption Market Share by Type (2014-2019)
2.3.2 Global SMD Thick Film Resistors Revenue and Market Share by Type (2014-2019)
2.3.3 Global SMD Thick Film Resistors Sale Price by Type (2014-2019)

2.4 SMD Thick Film Resistors Segment by Application
2.4.1 Consumer Electronics
2.4.2 Telecommunications
2.4.3 Automotive and Energy
2.4.4 Industrial and Medical
2.4.5 Others

2.5 SMD Thick Film Resistors Consumption by Application
2.5.1 Global SMD Thick Film Resistors Consumption Market Share by Application (2014-2019)
2.5.2 Global SMD Thick Film Resistors Value and Market Share by Application (2014-2019)
2.5.3 Global SMD Thick Film Resistors Sale Price by Application (2014-2019)

3 Global SMD Thick Film Resistors by Manufacturers

3.1 Global SMD Thick Film Resistors Sales Market Share by Manufacturers
3.1.1 Global SMD Thick Film Resistors Sales by Manufacturers (2017-2019)
3.1.2 Global SMD Thick Film Resistors Sales Market Share by Manufacturers (2017-2019)

3.2 Global SMD Thick Film Resistors Revenue Market Share by Manufacturers
3.2.1 Global SMD Thick Film Resistors Revenue by Manufacturers (2017-2019)
3.2.2 Global SMD Thick Film Resistors Revenue Market Share by Manufacturers (2017-2019)

3.3 Global SMD Thick Film Resistors Sale Price by Manufacturers

3.4 Global SMD Thick Film Resistors Manufacturing Base Distribution, Sales Area, Product Types by Manufacturers
3.4.1 Global SMD Thick Film Resistors Manufacturing Base Distribution and Sales Area by Manufacturers
3.4.2 Players SMD 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) (2017-2019)

3.6 New Products and Potential Entrants
3.7 Mergers & Acquisitions, Expansions

4 SMD Thick Film Resistors by Regions

4.1 SMD Thick Film Resistors by Regions
4.1.1 Global SMD Thick Film Resistors Consumption by Regions
4.1.2 Global SMD Thick Film Resistors Value by Regions
4.2 Americas SMD Thick Film Resistors Consumption Growth
4.3 APAC SMD Thick Film Resistors Consumption Growth
4.4 Europe SMD Thick Film Resistors Consumption Growth
4.5 Middle East & Africa SMD Thick Film Resistors Consumption Growth

5 Americas
5.1 Americas SMD Thick Film Resistors Consumption by Countries
5.1.1 Americas SMD Thick Film Resistors Consumption by Countries (2014-2019)
5.1.2 Americas SMD Thick Film Resistors Value by Countries (2014-2019)
5.2 Americas SMD Thick Film Resistors Consumption by Type
5.3 Americas SMD Thick Film Resistors Consumption by Application
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Key Economic Indicators of Few Americas Countries

5.1 Americas SMD Thick Film Resistors Consumption by Countries (2014-2019)
5.1.2 Americas SMD Thick Film Resistors Value by Countries (2014-2019)

5.2 Americas SMD Thick Film Resistors Consumption by Type
5.3 Americas SMD Thick Film Resistors Consumption by Application

5.4 United States
5.5 Canada
5.6 Mexico
5.7 Key Economic Indicators of Few Americas Countries

6 APAC
6.1 APAC SMD Thick Film Resistors Consumption by Countries
6.1.1 APAC SMD Thick Film Resistors Consumption by Countries (2014-2019)
6.1.2 APAC SMD Thick Film Resistors Value by Countries (2014-2019)
6.2 APAC SMD Thick Film Resistors Consumption by Type
6.3 APAC SMD Thick Film Resistors Consumption by Application
6.4 China
6.5 Japan
6.6 Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 Key Economic Indicators of Few APAC Countries

6.1 APAC SMD Thick Film Resistors Consumption by Countries
6.1.1 APAC SMD Thick Film Resistors Consumption by Countries (2014-2019)
6.1.2 APAC SMD Thick Film Resistors Value by Countries (2014-2019)

6.2 APAC SMD Thick Film Resistors Consumption by Type
6.3 APAC SMD Thick Film Resistors Consumption by Application
6.4 China
6.5 Japan
6.6 Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 Key Economic Indicators of Few APAC Countries

7 Europe
7.1 Europe SMD Thick Film Resistors by Countries
7.1.1 Europe SMD Thick Film Resistors Consumption by Countries (2014-2019)
7.1.2 Europe SMD Thick Film Resistors Value by Countries (2014-2019)
7.2 Europe SMD Thick Film Resistors Consumption by Type
7.3 Europe SMD Thick Film Resistors Consumption by Application
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia
7.9 Spain
7.10 Key Economic Indicators of Few Europe Countries

8 Middle East & Africa
8.1 Middle East & Africa SMD Thick Film Resistors by Countries
8.1.1 Middle East & Africa SMD Thick Film Resistors Consumption by Countries (2014-2019)
8.1.2 Middle East & Africa SMD Thick Film Resistors Value by Countries (2014-2019)
8.2 Middle East & Africa SMD Thick Film Resistors Consumption by Type
8.3 Middle East & Africa SMD Thick Film Resistors Consumption 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 and Impact
9.1.1 Growing Demand from Key Regions
9.1.2 Growing Demand from Key Applications and Potential Industries
9.2 Market Challenges and Impact
9.3 Market Trends

10 Marketing, Distributors and Customer
10.1 Sales Channel
10.1.1 Direct Channels
10.1.2 Indirect Channels
10.2 SMD Thick Film Resistors Distributors
10.3 SMD Thick Film Resistors Customer

11 Global SMD Thick Film Resistors Market Forecast
11.1 Global SMD Thick Film Resistors Consumption Forecast (2019-2024)
11.2 Global SMD Thick Film Resistors Forecast by Regions
11.2.1 Global SMD Thick Film Resistors Forecast by Regions (2019-2024)
11.2.2 Global SMD Thick Film Resistors Value Forecast by Regions (2019-2024)
11.2.3 Americas Consumption Forecast
11.2.4 APAC Consumption Forecast
11.2.5 Europe Consumption Forecast
11.2.6 Middle East & Africa Consumption Forecast
11.3 Americas Forecast by Countries
11.3.1 United States Market Forecast
11.3.2 Canada Market Forecast
11.3.3 Mexico Market Forecast
11.3.4 Brazil Market Forecast
11.4 APAC Forecast by Countries
11.4.1 China Market Forecast
11.4.2 Japan Market Forecast
11.4.3 Korea Market Forecast
11.4.4 Southeast Asia Market Forecast
11.4.5 India Market Forecast
11.4.6 Australia Market Forecast
11.5 Europe Forecast by Countries
11.5.1 Germany Market Forecast
11.5.2 France Market Forecast
11.5.3 UK Market Forecast
11.5.4 Italy Market Forecast
11.5.5 Russia Market Forecast
11.5.6 Spain Market Forecast
11.6 Middle East & Africa Forecast by Countries
11.6.1 Egypt Market Forecast
11.6.2 South Africa Market Forecast
11.6.3 Israel Market Forecast
11.6.4 Turkey Market Forecast
11.6.5 GCC Countries Market Forecast
11.7 Global SMD Thick Film Resistors Forecast by Type
11.8 Global SMD Thick Film Resistors Forecast by Application

12 Key Players Analysis
12.1 Yageo
12.1.1 Company Details
12.1.2 SMD Thick Film Resistors Product Offered
12.1.3 Yageo SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.1.4 Main Business Overview
12.1.5 Yageo News
12.2 Ta-I Technology Co., Ltd
12.2.1 Company Details
12.2.2 SMD Thick Film Resistors Product Offered
12.2.3 Ta-I Technology Co., Ltd SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.2.4 Main Business Overview
12.2.5 Ta-I Technology Co., Ltd News
12.3 KOA
12.3.1 Company Details
12.3.2 SMD Thick Film Resistors Product Offered
12.3.3 KOA SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.3.4 Main Business Overview
12.3.5 KOA News
12.4 Vishay
12.4.1 Company Details
12.4.2 SMD Thick Film Resistors Product Offered
12.4.3 Vishay SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.4.4 Main Business Overview
12.4.5 Vishay News
12.5 Ralec Electronics Corp.
12.5.1 Company Details
12.5.2 SMD Thick Film Resistors Product Offered
12.5.3 Ralec Electronics Corp. SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.5.4 Main Business Overview
12.5.5 Ralec Electronics Corp. News
12.6 Walsin Technology Corporation
12.6.1 Company Details
12.6.2 SMD Thick Film Resistors Product Offered
12.6.3 Walsin Technology Corporation SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.6.4 Main Business Overview
12.6.5 Walsin Technology Corporation News
12.7 Fenghua Advanced Technology
12.7.1 Company Details
12.7.2 SMD Thick Film Resistors Product Offered
12.7.3 Fenghua Advanced Technology SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.7.4 Main Business Overview
12.7.5 Fenghua Advanced Technology News
12.8 Samsung Electro-Mechanics
12.8.1 Company Details
12.8.2 SMD Thick Film Resistors Product Offered
12.8.3 Samsung Electro-Mechanics SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.8.4 Main Business Overview
12.8.5 Samsung Electro-Mechanics News
12.9 Panasonic
12.9.1 Company Details
12.9.2 SMD Thick Film Resistors Product Offered
12.9.3 Panasonic SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.9.4 Main Business Overview
12.9.5 Panasonic News
12.10 Uni Ohm
12.10.1 Company Details
12.10.2 SMD Thick Film Resistors Product Offered
12.10.3 Uni Ohm SMD Thick Film Resistors Sales, Revenue, Price and Gross Margin (2017-2019)
12.10.4 Main Business Overview
12.10.5 Uni Ohm News
12.11 Rohm Co., Ltd.
12.12 Tateyama Kagaku Industry Co., Ltd.
13 Research Findings and Conclusion