

Global SMD Thin Film Resistors Market Growth 2023-2029

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

This report focuses on SMD type Thin-Film Resistors market.

The resistive layer is sputtered (vacuum deposition) onto a ceramic base. This creates a uniform metallic film of around 0.1 micrometer thick. Often an alloy of Nickel and Chromium is used (Nichrome). They are produced with different layer thicknesses to accommodate a range of resistance values. The layer is dense and uniform, which makes it suitable to trim the resistance value by a subtractive process. With photo etching or by laser trimming patterns are created to increase the resistive path and to calibrate the resistance value. The base is often alumina ceramic, silicon or glass. Usually thin film is produced as a chip or SMD resistor, but the film can also be applied onto a cylindrical base with axial leads. In this case, more often the term metal film resistor is used.

Thin film is usually used for precision applications. They feature relatively high tolerances, low temperature coefficients and low noise. Also for high frequency applications thin film performs better than thick film. Inductance and capacitance are generally lower. The parasitic inductance of thin film can be higher if it is executed as a cylindrical helix (metal film resistor). This higher performance comes with a cost, which can be factors higher than the price of thick film resistors. Typical examples where thin film is used are medical equipment, audio installations, precision controls and measurement devices. The major applications are High precision: Measuring or monitoring equipment, medical or audio applications, precision controls.

LPI (LP Information)' newest research report, the "SMD Thin Film Resistors Industry

Forecast” looks at past sales and reviews total world SMD Thin Film Resistors sales in 2022, providing a comprehensive analysis by region and market sector of projected SMD Thin Film Resistors sales for 2023 through 2029. With SMD Thin Film Resistors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world SMD Thin Film Resistors industry.

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

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

The global SMD Thin Film Resistors market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for SMD Thin Film Resistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for SMD Thin Film Resistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for SMD Thin Film Resistors is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key SMD Thin Film Resistors players cover Vishay, KOA, Susumu, Cyntec, Viking Tech, Panasonic, Yageo, Walsin Technology and Bourns, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

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

Market Segmentation:

Segmentation by type

0.05% Tolerance

0.1% Tolerance

1% Tolerance

Others

Segmentation by application

Instrumentation

Medical Equipment

Automotive Electronics

Communication Device

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.

Vishay

KOA

Susumu

Cyntec

Viking Tech

Panasonic

Yageo

Walsin Technology

Bourns

TE Connectivity

Samsung Electro-Mechanics

Ta-I Technology

Uniohm

Ralec Electronics

Ever Ohms

Key Questions Addressed in this Report

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

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

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

How do SMD Thin Film Resistors market opportunities vary by end market size?

How does SMD Thin Film Resistors break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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