

Global Precision Thin-film Resistor Market Growth 2024-2030

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Abstracts

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The resistive layer is sputtered (vacuum deposition) onto a ceramic base. This creates a uniform metallic film of around 0.1 micrometre thick. Often an alloy of Nickel and Chromium is used (Nichrome). They are produced with different layer thicknesses to accommodate a range of resistance Revenues. The layer is dense and uniform, which makes it suitable to trim the resistance Revenue by a subtractive process. With photo etching or by laser trimming patterns are created to increase the resistive path and to calibrate the resistance Revenue. 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. This report mainly focuses on precision thin-film resistor market.

The global Precision Thin-film Resistor market size is projected to grow from US\$ 567 million in 2024 to US\$ 759 million in 2030; it is expected to grow at a CAGR of 5.0% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Precision Thin-film Resistor Industry Forecast" looks at past sales and reviews total world Precision Thin-film Resistor sales in 2023, providing a comprehensive analysis by region and market sector of projected Precision Thin-film Resistor sales for 2024 through 2030. With Precision Thin-film Resistor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Precision Thin-film Resistor industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Precision Thin-film Resistor 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 Precision Thin-film Resistor.

Thin film is usually used for precision applications. They feature relatively high tolerances, low temperature coefficients and low noise. A key driver for the global thin film resistors market is the growth in precision instrument. Geography-wise, Asia Pacific is likely to exhibit the leading growth rate amongst all key regional markets for Thin Film Resistors. China, Japan India are the key consumption countries in the Thin Film Resistors in APAC. In the future, the Thin Film Resistors in some new economies will also rapidly grow and occupy a certain market share, such as Southeast Asia, etc. Asia Pacific is the largest consumption region of Thin Film Resistors, especially in China. The second place is North America; following Asia Pacific.

This report presents a comprehensive overview, market shares, and growth opportunities of Precision Thin-film Resistor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Ultra Precision 0.05% Tolerance

0.1% 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 analysing 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 Precision Thin-film Resistor market?

What factors are driving Precision Thin-film Resistor market growth, globally and by region?

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

How do Precision Thin-film Resistor market opportunities vary by end market size?

How does Precision Thin-film Resistor break out by Type, by Application?

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