

Global Thin-film Platinum Resistor Chips Market Growth 2025-2031

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Abstracts

The global Thin-film Platinum Resistor Chips market size is predicted to grow from US\$ 2187 million in 2025 to US\$ 3198 million in 2031; it is expected to grow at a CAGR of 6.5% 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 film platinum resistance, also known as thin film platinum thermistor, is a temperature sensor element that changes its resistance value with temperature, thereby monitoring the ambient temperature in real-time. The production technology of thin film platinum thermistors is a new production process that replaces coils with film technology. It is composed of a platinum film with micrometer thickness and its attached substrate, and the temperature measurement range can reach -50-600 °C. Thin-film platinum thermal sensitive chips have the characteristics of small size, high precision, and fast response time. They can be widely used in instrumentation, aerospace, automobiles, medical treatment, home appliances and other fields.

United States market for Thin-film Platinum Resistor Chips is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Thin-film Platinum Resistor Chips is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Thin-film Platinum Resistor Chips is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Thin-film Platinum Resistor Chips players cover YAGEO Nexensos, Heraeus, IST AG, HAYASHI DENKO, JUMO GmbH & Co. KG, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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

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

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

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

Segmentation by Type:

PT100

PT500

PT1000

Others

Segmentation by Application:

Instrumentation

Home Appliances & Consumer Electronics

Automotive Electronics

Medical

Aerospace

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.

YAGEO Nexensos

Heraeus

IST AG

HAYASHI DENKO

JUMO GmbH & Co. KG

TE Connectivity

UST Umweltsensortechnik GmbH

Sensortherm GmbH

Vishay Intertechnology, Inc.

KOA Speer Electronics

CETC

Senba Sensing Technology Co., Ltd.

CST Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thin-film Platinum Resistor Chips market?

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

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

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

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

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