

Global Thin-film Platinum Resistor Chips Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Thin-film Platinum Resistor Chips market size was valued at US\$ 2301 million in 2025 and is forecast to a readjusted size of US\$ 3478 million by 2032 with a CAGR of 6.2% during review period.

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.

This report is a detailed and comprehensive analysis for global Thin-film Platinum Resistor Chips market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Thin-film Platinum Resistor Chips market size and forecasts, in consumption

value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thin-film Platinum Resistor Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thin-film Platinum Resistor Chips market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thin-film Platinum Resistor Chips market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Thin-film Platinum Resistor Chips

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Thin-film Platinum Resistor Chips market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include YAGEO Nexensos, Heraeus, IST AG, HAYASHI DENKO, JUMO GmbH & Co. KG, TE Connectivity, UST Umweltsteuertechnik GmbH, Sensortherm GmbH, Vishay Intertechnology, Inc., KOA Speer Electronics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Thin-film Platinum Resistor Chips market is split by Type and by Application. For the

period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PT100

PT500

PT1000

Others

Market segment by Application

Instrumentation

Home Appliances & Consumer Electronics

Automotive Electronics

Medical

Aerospace

Others

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Thin-film Platinum Resistor Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thin-film Platinum Resistor Chips, with price, sales quantity, revenue, and global market share of Thin-film Platinum Resistor Chips from 2021 to 2026.

Chapter 3, the Thin-film Platinum Resistor Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thin-film Platinum Resistor Chips breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Thin-film Platinum Resistor Chips market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thin-film Platinum Resistor Chips.

Chapter 14 and 15, to describe Thin-film Platinum Resistor Chips sales channel, distributors, customers, research findings and conclusion.

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