

Global Thick Film Precision Grade Chip Resistor Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Thick Film Precision Grade Chip Resistor market size is expected to reach \$ 646.8 million by 2030, rising at a market growth of 7.7% CAGR during the forecast period (2024-2030).

Market Drivers: Increasing Demand for Precision Electronics: Industries such as medical devices, aerospace, and telecommunications require high-precision electronic components. The demand for precise resistance values in these applications drives the market for precision grade chip resistors.

Rise in Automation and IoT: The growth of automation, the Internet of Things (IoT), and other technologies requiring high-precision sensors and control systems contribute to the demand for precision resistors.

Market Restrictions: Cost Considerations: Precision grade chip resistors often involve higher manufacturing costs compared to general-purpose resistors. Cost considerations may limit their adoption in applications where tight precision is not a critical requirement.

Competition from Alternative Technologies: Thin film resistors and other high-precision resistor technologies may compete with thick film precision resistors. The choice between different technologies depends on specific application requirements.

A Thick Film Precision Grade Chip Resistor is a type of electronic component used in electronic circuits to limit or control the flow of electric current. 'Thick film' refers to the manufacturing process, where a thick layer of resistive material is deposited onto a ceramic substrate.

The term 'precision grade' indicates that these resistors are manufactured with high precision and accuracy in terms of their resistance value. Precision resistors are designed to have low tolerance and low temperature coefficient, meaning that their resistance value remains stable over a wide range of temperatures.

'Chip resistor' refers to the compact, surface-mount package of the component. These resistors are commonly used in various electronic devices and circuits where accuracy and stability of resistance are critical, such as in precision measuring instruments, medical equipment, and communication devices.

This report studies the global Thick Film Precision Grade Chip Resistor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Thick Film Precision Grade Chip Resistor, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Thick Film Precision Grade Chip Resistor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Thick Film Precision Grade Chip Resistor total production and demand, 2019-2030, (K Units)

Global Thick Film Precision Grade Chip Resistor total production value, 2019-2030, (USD Million)

Global Thick Film Precision Grade Chip Resistor production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Thick Film Precision Grade Chip Resistor consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Thick Film Precision Grade Chip Resistor domestic production, consumption, key domestic manufacturers and share

Global Thick Film Precision Grade Chip Resistor production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Thick Film Precision Grade Chip Resistor production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Thick Film Precision Grade Chip Resistor production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Thick Film Precision Grade Chip Resistor market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yageo, KOA, Walsin Technology, Vishay, Fenghua Advanced Technology, Ta-I Technology, Panasonic, Samsung Electro-Mechanics and Rohm, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Thick Film Precision Grade Chip Resistor market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Thick Film Precision Grade Chip Resistor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Thick Film Precision Grade Chip Resistor Market, Segmentation by Type

0.1% Tolerance

0.5% Tolerance

Others

Global Thick Film Precision Grade Chip Resistor Market, Segmentation by Application

Telecommunications

Automotive

Energy

Industrial

Medical

Others

Companies Profiled:

Yageo

KOA

Walsin Technology

Vishay

Fenghua Advanced Technology

Ta-I Technology

Panasonic

Samsung Electro-Mechanics

Rohm

UniOhm

Ralec Electronics

Taiyosha Electric

Tateyama Kagaku Industry

Ever Ohms Technology

Key Questions Answered

1. How big is the global Thick Film Precision Grade Chip Resistor market?
2. What is the demand of the global Thick Film Precision Grade Chip Resistor market?
3. What is the year over year growth of the global Thick Film Precision Grade Chip Resistor market?
4. What is the production and production value of the global Thick Film Precision Grade Chip Resistor market?
5. Who are the key producers in the global Thick Film Precision Grade Chip Resistor market?

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