

# Global Metal Foil SMD Resistors Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Metal Foil SMD Resistors market size is expected to reach \$ 510.3 million by 2029, rising at a market growth of 6.7% CAGR during the forecast period (2023-2029).

### Drivers:

**Demand for Precision Electronics:** The increasing demand for precision and accuracy in electronic devices and circuits, particularly in applications like medical equipment, aerospace, and telecommunications, drives the need for high-precision resistors like metal foil SMD resistors.

**Growing Automation and Robotics:** The growth of automation and robotics industries requires highly accurate sensors and control systems, which, in turn, boosts the demand for precise resistors.

**Miniaturization Trends:** As electronic devices continue to shrink in size, SMD components become essential. Metal foil SMD resistors are ideal for miniaturized electronics due to their compact size and precision.

**Telecommunications and Data Centers:** The expansion of telecommunications networks and data centers necessitates precise resistors for signal conditioning and data processing equipment.

**Emerging Markets:** As emerging markets in Asia, Latin America, and Africa witness increased industrialization and technological adoption, the demand for electronic components like SMD resistors grows.

**Rising Demand for Electric Vehicles (EVs):** The EV market requires advanced electronics for battery management, power conversion, and charging systems, driving demand for high-precision resistors in this sector.

Restrictions:

**Price Competition:** The market for SMD resistors can be highly competitive, with pricing pressures due to the presence of multiple manufacturers. This can impact profit margins for companies.

**Technological Challenges:** Developing and manufacturing metal foil SMD resistors with extremely low tolerances and high precision can be technically challenging and costly.

**Market Saturation:** In mature markets, such as consumer electronics, the market for SMD resistors may become saturated, limiting growth opportunities.

**Material Costs:** Fluctuations in the costs of materials like metal alloys can affect production costs for metal foil resistors.

**Integration of Functions:** Some applications are moving toward integrated solutions, where resistors are embedded within semiconductor chips or other components, potentially reducing the demand for discrete SMD resistors.

Metal foil resistors are precision electronic components used in various electronic circuits to provide accurate and stable resistance values. They are known for their high precision, low temperature coefficient, and excellent long-term stability. Metal foil resistors are typically used in applications where precise resistance values are crucial, such as in instrumentation, precision measuring equipment, medical devices, and aerospace electronics.

This report studies the global Metal Foil SMD Resistors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal Foil SMD Resistors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Metal Foil SMD Resistors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metal Foil SMD Resistors total production and demand, 2018-2029, (K Units)

Global Metal Foil SMD Resistors total production value, 2018-2029, (USD Million)

Global Metal Foil SMD Resistors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Metal Foil SMD Resistors consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Metal Foil SMD Resistors domestic production, consumption, key domestic manufacturers and share

Global Metal Foil SMD Resistors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Metal Foil SMD Resistors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Metal Foil SMD Resistors production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Metal Foil SMD Resistors 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 Vishay Precision Group, Susumu, Bourns, Viking Tech, Walsin Technology, Ever Ohms, Ta-I Technology, Ohmite and TT Electronics, 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 Metal Foil SMD Resistors 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Metal Foil SMD Resistors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Metal Foil SMD Resistors Market, Segmentation by Type

High Precision Resistor

Precision Resistor

#### Global Metal Foil SMD Resistors Market, Segmentation by Application

Industrial

Aerospace and Defense

Medical

Telecommunication

Automotive

Others

Companies Profiled:

Vishay Precision Group

Susumu

Bourns

Viking Tech

Walsin Technology

Ever Ohms

Ta-I Technology

Ohmite

TT Electronics

Tateyama Kagaku

Cyntec

MEGATRON

Stackpole Electronics

Jining Tiangeng Electric

MEGATRON Elektronik

Littelfuse

### Key Questions Answered

1. How big is the global Metal Foil SMD Resistors market?
2. What is the demand of the global Metal Foil SMD Resistors market?
3. What is the year over year growth of the global Metal Foil SMD Resistors market?
4. What is the production and production value of the global Metal Foil SMD Resistors market?
5. Who are the key producers in the global Metal Foil SMD Resistors market?

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