

Global Metal Oxide Varistor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Metal Oxide Varistor market size is expected to reach \$ 1205 million by 2032, rising at a market growth of 3.3% CAGR during the forecast period (2026-2032). A Metal Oxide Varistor (MOV) is a protection component used in power supply circuits that is powered directly from AC mains. The Metal Oxide Varistor or MOV is a voltage dependent, nonlinear device that provides excellent transient voltage suppression. The Metal Oxide Varistor is designed to protect various types of electronic devices and semiconductor elements from switching and induced lightning surges. Figure Product Picture of Metal Oxide Varistor

Sustained Market Growth

Key drivers include surging demand from new energy vehicles (200-500 MOVs per vehicle) and 5G base stations (50-100 MOVs per station)?.

?Technological and Material Innovation?

The industry will rely heavily on material and process upgrades, such as lead-free production and compliance with RoHS directives. Additionally, there is a growing need for differentiated and customized performance to meet requirements like condition monitoring and intelligent response in IoT devices?.

Evolving Competitive Landscape?

International players (e.g., Murata, Vishay) maintain significant market share, while domestic manufacturers (e.g., Sunlord Electronics, Fenghua Advanced Technology) are gaining strength in segments like chip varistors. Technological innovation and green manufacturing (e.g., low-energy processes, recyclable designs) will be critical for competition?.

This report studies the global Metal Oxide Varistor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal Oxide Varistor and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Metal Oxide Varistor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metal Oxide Varistor total production and demand, 2021-2032, (M Pcs)

Global Metal Oxide Varistor total production value, 2021-2032, (USD Million)

Global Metal Oxide Varistor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (M Pcs), (based on production site)

Global Metal Oxide Varistor consumption by region & country, CAGR, 2021-2032 & (M Pcs)

U.S. VS China: Metal Oxide Varistor domestic production, consumption, key domestic manufacturers and share

Global Metal Oxide Varistor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (M Pcs)

Global Metal Oxide Varistor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (M Pcs)

Global Metal Oxide Varistor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (M Pcs)

This report profiles key players in the global Metal Oxide Varistor 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 Thinking Electronic, TDK, Littelfuse, Panasonic, Bourns, Nippon Chemi-Con, Elpro International, Shiheng, Varsi (Raycap), JOYIN, 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 Oxide Varistor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Pcs) and average price (USD/K Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Metal Oxide Varistor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metal Oxide Varistor Market, Segmentation by Type:

SMD Type Metal Oxide Varistor

Disc Type Metal Oxide Varistor

Global Metal Oxide Varistor Market, Segmentation by Materials:

Zinc Oxide Varistor

Silicon Carbide Varistor

Others

Global Metal Oxide Varistor Market, Segmentation by Structure:

Symmetrical Type

Asymmetrical Type

Global Metal Oxide Varistor Market, Segmentation by Application:

Consumer Electronics

Telecommunication

Home Appliance

Automotive

Industrial Equipment

Gas and Petroleum

Others

Companies Profiled:

Thinking Electronic

TDK

Littelfuse

Panasonic

Bourns

Nippon Chemi-Con

Elpro International

Shiheng

Varsi (Raycap)

JOYIN

Fenghua

Songtian Electronics (STE)

Semitec Corporation

KOA Corporation

Xiamen SET Electronics

Kestar Electronic

Latron

Fatech Electronic

Zhengli Group

Synton?Tech

Sinochip Electronics

Xiamen Wanming Electronics

Key Questions Answered:

1. How big is the global Metal Oxide Varistor market?
2. What is the demand of the global Metal Oxide Varistor market?
3. What is the year over year growth of the global Metal Oxide Varistor market?
4. What is the production and production value of the global Metal Oxide Varistor market?
5. Who are the key producers in the global Metal Oxide Varistor market?
6. What are the growth factors driving the market demand?

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