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Global Space Qualified Resistors 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 Space Qualified Resistors market size was valued at US$ 117 million in 2025 and is forecast to a readjusted size of US$ 176 million by 2032 with a CAGR of 6.0% during review period.

Aerospace-grade resistors are resistive components used in high-reliability electronic systems such as satellites, launch vehicles, and deep space probes. They emphasize high precision, high stability, low drift, radiation resistance, vacuum resistance, and resistance to extreme temperature cycling, and typically must comply with high-reliability specifications such as ESCC and MIL.

Upstream components mainly include high-purity metals and alloys, ceramic substrates, thin/thick film pastes, packaging materials, coating materials, and high-reliability manufacturing equipment and testing and screening systems. Downstream applications are primarily in satellites, avionics, missiles, deep space exploration, radar, navigation and communication, and various aerospace electronic control systems. The global market price for aerospace-grade resistors is $5.6 per unit, with annual sales of approximately 20.35 million units.

The global aerospace-grade resistor market will continue to develop towards higher reliability, miniaturization, lightweighting, and longer lifespan. With the ongoing advancements in commercial aerospace, low-Earth orbit satellite constellations, deep space exploration, and advanced avionics systems, the requirements for devices in terms of radiation resistance, temperature shock resistance, low failure rate, and long-term resistance stability will further increase. Meanwhile, thin-film high-reliability products that comply with ESCC, MIL, and other standards will remain the core focus,

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and the proportion of customized, high-selection-level products for high-density integration and complex mission environments is also expected to increase.

This report is a detailed and comprehensive analysis for global Space Qualified Resistors 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 Space Qualified Resistors market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Space Qualified Resistors 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 Space Qualified Resistors 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 Space Qualified Resistors 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 Space Qualified Resistors

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 Space Qualified Resistors market based on

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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 KOA Corporation, VPG Foil Resistors, TT Electronics plc, Exxelia, Isabellenh?tte Heusler GmbH & Co. KG, Ohmite, Vishay Intertechnology, Inc., METAL DEPLOYE RESISTOR, Shenzhen Zenithsun Electronics, Guangzhou Xieyuan Electronic Technology, etc.

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

Market Segmentation

Space Qualified Resistors 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

SMD

DIP

Market segment by Adjustable Characteristics

Fixed Resistor

Adjustable Resistor

Market segment by Resistance Value Characteristics

Low Resistance

Medium Resistance

High Resistance

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Ultra-High Resistance

Market segment by Application

Aerospace

Defense Industry

Others

Major players covered

KOA Corporation

VPG Foil Resistors

TT Electronics plc

Exxelia

Isabellenh?tte Heusler GmbH & Co. KG

Ohmite

Vishay Intertechnology, Inc.

METAL DEPLOYE RESISTOR

Shenzhen Zenithsun Electronics

Guangzhou Xieyuan Electronic Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

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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 Space Qualified Resistors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Space Qualified Resistors, with price, sales quantity, revenue, and global market share of Space Qualified Resistors from 2021 to 2026.

Chapter 3, the Space Qualified Resistors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Space Qualified Resistors 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 Space Qualified Resistors 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.

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Chapter 13, the key raw materials and key suppliers, and industry chain of Space Qualified Resistors.

Chapter 14 and 15, to describe Space Qualified Resistors sales channel, distributors, customers, research findings and conclusion.

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