

Global Automotive ESD Suppressor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G9E3CDCB5837EN.html>

Date: June 2026

Pages: 129

Price: US\$ 3,480.00 (Single User License)

ID: G9E3CDCB5837EN

Abstracts

According to our (Global Info Research) latest study, the global Automotive ESD Suppressor market size was valued at US\$ 22.23 million in 2025 and is forecast to a readjusted size of US\$ 39.06 million by 2032 with a CAGR of 8.4% during review period.

In 2025, global sales of automotive ESD suppressors reached 12 million units, with an average selling price of \$1.80 per unit and a CAGR of 8.6%. Automotive ESD suppressors are critical electronic components used to protect vehicle electronic systems from electrostatic discharge damage, and are widely used in vehicle control units, infotainment systems, sensor modules, and power electronics. These suppressors absorb or conduct electrostatic energy, preventing voltage spikes from damaging sensitive electronic components, ensuring the stability and safety of the entire vehicle's electronic system, while extending component lifespan and reducing maintenance costs. Total production capacity was 15 million units, with a gross margin of approximately 22%. Upstream raw materials mainly include semiconductor chips, metallized films, resistors, and plastic packaging materials, with material consumption varying depending on the suppressor type and capacity. Downstream demand primarily comes from OEMs, automotive electronic module suppliers, and the aftermarket, with consumption mainly driven by vehicle ECUs, sensor modules, and infotainment systems. With the accelerating trends of automotive electronics, electrification, and intelligence, especially in new energy vehicles, ADAS, and autonomous driving systems, the market demand for ESD suppressors continues to grow. Future development will expand towards high reliability, high voltage resistance, high integration, and customization, and has broad market potential and business opportunities in improving the safety, reliability, and overall intelligence level of

automotive electronics.

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

Global Automotive ESD Suppressor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive ESD Suppressor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Automotive ESD Suppressor market shares of main players, shipments in revenue (\$ Million), sales quantity (Million 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 Automotive ESD Suppressor

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 Automotive ESD Suppressor 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 Littelfuse, Semtech, Panasonic, Bourns, Eaton, Nexperia, BORN, Diodes, STMicroelectronics, PROSEMI, etc.

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

Market Segmentation

Automotive ESD Suppressor 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

Diode Type

Capacitor Type

Resistor Type

Combined Type

Market segment by Voltage Rating

Voltage Rating: 12V System

Voltage Rating: 24V System

Voltage Rating: 48V System

Market segment by Channel

Single Channel

Dual Channel

Multi-channel

Market segment by Application

Passenger Vehicles

Commercial Vehicles

Major players covered

Littelfuse

Semtech

Panasonic

Bourns

Eaton

Nexperia

BORN

Diodes

STMicroelectronics

PROSEMI

Semiware

Onsemi

Vishay

Infineon

Toshiba

TI

KAMAYA ELECTRIC

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 Automotive ESD Suppressor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive ESD Suppressor, with price, sales quantity, revenue, and global market share of Automotive ESD Suppressor from 2021 to 2026.

Chapter 3, the Automotive ESD Suppressor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive ESD Suppressor 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 Automotive ESD Suppressor 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 Automotive ESD Suppressor.

Chapter 14 and 15, to describe Automotive ESD Suppressor sales channel, distributors, customers, research findings and conclusion.

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