

Global Automotive Power Schottky Diodes Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Power Schottky Diodes market size was valued at US\$ 1116 million in 2024 and is forecast to a readjusted size of USD 1905 million by 2031 with a CAGR of 8.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Schottky diode refers to an electronics part which is used at a boundless range for various applications such as power OR circuits, control rectifier, RF applications and others especially as a blender to identifier diode. The product is also known as several other names including Surface Barrier Diode, Hot Carrier Diode and Hot Electron Diode.

The global key manufacturers of automotive-grade Schottky diodes include Vishay Intertechnology, Fuji Electric, China Resources Microelectronics, Rohm, Nexperia, Toshiba, ST Microelectronics, Diodes Incorporated, ON Semiconductor, Jilin Sino-Microelectronics, Shandong Jingdao Microelectronics, Kyocera AVX, Microchip (Microsemi), PANJIT Group, and Infineon, etc. in 2024, the global top four players hold a share nearly 65%.

This report is a detailed and comprehensive analysis for global Automotive Power Schottky Diodes 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 Power Schottky Diodes market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive Power Schottky Diodes market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive Power Schottky Diodes market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global Automotive Power Schottky Diodes market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pcs), 2020-2025

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 Power Schottky Diodes
- 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 Power Schottky Diodes 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 STMicroelectronics, Infineon, Wolfspeed, Rohm, onsemi, Microchip (Microsemi), Fuji Electric, Navitas (GeneSiC), Toshiba, San'an Optoelectronics, etc.

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

Market Segmentation

Automotive Power Schottky Diodes market is split by Type and by Application. For the period 2020-2031, 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

SiC Schottky Diode

Si Schottky Diode

Market segment by Application

Electric Vehicle (EV)

Fuel Vehicle

Major players covered

STMicroelectronics

Infineon

Wolfspeed

Rohm

onsemi

Microchip (Microsemi)

Fuji Electric

Navitas (GeneSiC)

Toshiba

San'an Optoelectronics

Littelfuse (IXYS)

CETC 55

WeEn Semiconductors

BASiC Semiconductor

SemiQ

Diodes Incorporated

KEC Corporation

PANJIT Group

Nexperia

Vishay Intertechnology

Zhuzhou CRRC Times Electric

China Resources Microelectronics Limited

Yangzhou Yangjie Electronic Technology

Changzhou Galaxy Century Microelectronics

Kyocera AVX

Sanken Electric

Texas Instruments

Shindengen

Hangzhou Silan Microelectronics

Jiangsu Jiejie Microelectronics

OmniVision Technologies

Suzhou Good-Ark Electronics

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 Power Schottky Diodes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Power Schottky Diodes, with price, sales quantity, revenue, and global market share of Automotive Power Schottky Diodes from 2020 to 2025.

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

Chapter 4, the Automotive Power Schottky Diodes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Automotive Power Schottky Diodes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Power Schottky Diodes.

Chapter 14 and 15, to describe Automotive Power Schottky Diodes sales channel, distributors, customers, research findings and conclusion.

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