

Global Automotive Schottky Diode Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Automotive Schottky Diode market size was valued at US\$ 347.3 million in 2023. With growing demand in downstream market, the Automotive Schottky Diode is forecast to a readjusted size of US\$ 586.8 million by 2030 with a CAGR of 7.8% during review period.

The research report highlights the growth potential of the global Automotive Schottky Diode market. Automotive Schottky Diode are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Schottky Diode. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Schottky Diode market.

According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, reaching 97.3 million vehicles and 95.89 million vehicles respectively. In 2018, the global economic expansion period ended, and the global automobile market as a whole declined. By 2022, there will be 81.6 million cars worldwide. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia accounts for 56% of the world's automobile production, Europe accounts for 20%, and North America accounts for 16%. Among them, China is the world's largest automobile producer, accounting for about 32%.

Automotive Schottky diodes (SBD) are automotive power semiconductor devices. This

article mainly counts automotive SBDs. The leading automotive SBD companies are mainly Vishay Intertechnology, Rohm, ON Semiconductor, Infineon, Nexperia, ST Microelectronics, Diodes Incorporated, PANJIT Group, Toshiba, Fuji Electric, Kyocera AVX, Littelfuse (IXYS), and the top 10 companies account for a total of 60 %, the market is relatively concentrated. From the perspective of enterprise distribution, automotive SBDs are mainly produced by leading semiconductor device companies in the United States, Europe and Japan. The market share in three regions exceeds 80%.

Key Features:

The report on Automotive Schottky Diode market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Automotive Schottky Diode market. It may include historical data, market segmentation by Type (e.g., LV Schottky Diodes, MV Schottky Diodes), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Automotive Schottky Diode market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Automotive Schottky Diode market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Automotive Schottky Diode industry. This include advancements in Automotive Schottky Diode technology, Automotive Schottky Diode new entrants, Automotive Schottky Diode new investment, and other innovations that are shaping the future of Automotive Schottky Diode.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Automotive Schottky Diode market. It includes factors influencing customer ' purchasing decisions, preferences for

Automotive Schottky Diode product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Automotive Schottky Diode market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Schottky Diode market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Automotive Schottky Diode market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Schottky Diode industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Schottky Diode market.

Market Segmentation:

Automotive Schottky Diode market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

LV Schottky Diodes

MV Schottky Diodes

HV Schottky Diodes

Segmentation by application

DC-DC Converter

Automotive ECU

In-Vehicle Inverter

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

STMicroelectronics

Vishay

Diodes Incorporated

Rohm

Infineon Technologies

Sanken Electric

Onsemi

Nexperia

WeEn Semiconductor

Littelfuse (IXYS)

Jiangsu Changjing Electronics

Yangzhou Yangjie Electronic Technology

Diotec Semiconductor AG

Toshiba

Fuji Electric

Kyocera AVX

Microchip (Microsemi)

Texas Instruments

Bourns, Inc

Shindengen

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Schottky Diode market?

What factors are driving Automotive Schottky Diode market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Schottky Diode market opportunities vary by end market size?

How does Automotive Schottky Diode break out type, application?

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