

Avalanche Photodiode (APD) Market, Global Outlook and Forecast 2022-2028

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Abstracts

APD Avalanche Photodiode (APD) is a highly sensitive semiconductor electronic device that exploits the photoelectric effect to convert light to electricity. APDs can be thought of as photodetectors that provide a built-in first stage of gain through avalanche multiplication. From a functional standpoint, they can be regarded as the semiconductor analog to photomultipliers. By applying a high reverse bias voltage, APDs show an internal current gain effect due to impact ionization. However, some silicon APDs employ alternative doping and beveling techniques compared to traditional APDs that allow greater voltage to be applied before breakdown is reached and hence a greater operating gain. In general, the higher the reverse voltage, the higher the gain.

This report contains market size and forecasts of Avalanche Photodiode (APD) in global, including the following market information:

Global Avalanche Photodiode (APD) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Avalanche Photodiode (APD) Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Avalanche Photodiode (APD) companies in 2021 (%)

The global Avalanche Photodiode (APD) market was valued at 116.3 million in 2021 and is projected to reach US\$ 143.2 million by 2028, at a CAGR of 3.0% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Si-APD Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Avalanche Photodiode (APD) include First-sensor, Hamamatsu, Kyosemi, Luna, Excelitas, Osi optoelectronics, Edmund Optics, GCS and SiFotonics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Avalanche Photodiode (APD) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Avalanche Photodiode (APD) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Avalanche Photodiode (APD) Market Segment Percentages, by Type, 2021 (%)

Si-APD

InGaAs-APD

Others

Global Avalanche Photodiode (APD) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Avalanche Photodiode (APD) Market Segment Percentages, by Application, 2021 (%)

Industrial

Medical

Others

Global Avalanche Photodiode (APD) Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Avalanche Photodiode (APD) Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Avalanche Photodiode (APD) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Avalanche Photodiode (APD) revenues share in global market, 2021 (%)

Key companies Avalanche Photodiode (APD) sales in global market, 2017-2022

(Estimated), (K Units)

Key companies Avalanche Photodiode (APD) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

First-sensor

Hamamatsu

Kyosemi

Luna

Excelitas

Osi optoelectronics

Edmund Optics

GCS

SiFotonics

Beijing Lightsensing Technology

Realphoton

Thorlabs

Ruilon

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