

Global APD Avalanche Photodiode Market Data Survey Report 2015-2025

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Abstracts

SUMMARY

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.

The global APD Avalanche Photodiode market will reach xxx Million USD in 2020 with CAGR xx% 2020-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers profile, products & services, sales data of business

Global market size by Major End-Use

Global market size by Major Type

Key manufacturers are included based on company profile, sales data and product specifications etc.:

First-sensor

Hamamatsu

Kyosemi Corporation

LUNA

Excelitas

Osi optoelectronics

Edmund Optics

GCS

SiFotonics

Major applications as follows:

Industrial

Medical

Mobility

Others

Major Type as follows:

Silicon Materials

Germanium Materials

InGaAs Materials

Others

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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