

Global Infrared Receiving Diode Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Infrared Receiving Diode market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

An infrared receiving diode is an electronic component used to receive infrared signals. It is a special type of diode with high sensitivity to infrared radiation. The working principle of infrared receiving diodes is based on the photoelectric effect. When infrared rays illuminate the PN junction area of the diode, the photon energy will excite electrons to jump from the valence band to the conduction band, generating current. This current signal can be processed by the receiving circuit to detect and decode the infrared signal. Infrared receiving diodes are commonly used in infrared remote controls, infrared sensors, infrared communications and other applications. In an infrared remote control, when a button on the remote control is pressed, the infrared receiving diode will receive the corresponding infrared signal and convert it into an electrical signal, which is then decoded by the decoder to finally control the device. Infrared receiving diodes usually have the characteristics of fast response, high sensitivity and strong anti-interference ability, and can receive and decode infrared signals in different frequency bands.

This report studies the global Infrared Receiving Diode production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Infrared Receiving Diode, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Infrared Receiving Diode that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Infrared Receiving Diode total production and demand, 2018-2029, (K Units)

Global Infrared Receiving Diode total production value, 2018-2029, (USD Million)

Global Infrared Receiving Diode production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Infrared Receiving Diode consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Infrared Receiving Diode domestic production, consumption, key domestic manufacturers and share

Global Infrared Receiving Diode production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Infrared Receiving Diode production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Infrared Receiving Diode production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Infrared Receiving Diode market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Vishay Intertechnology, Inc, ProPhotonix Limited, QSI Laser Corporation, Ushio America, Inc, Ondax, Inc, Global Sources, DirectIndustry, Everlight Electronics Co., Ltd. and Lite-On Technology Corporation, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Infrared Receiving Diode market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Infrared Receiving Diode Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Receiving Diode Market, Segmentation by Type

Narrowband Filtered Infrared Receiving Diode

Broadband Infrared Receiving Diode

Global Infrared Receiving Diode Market, Segmentation by Application

Consumer Electronics Industry

Security Industry

Communications Industry

Automobile Industry

Medical Industry

Others

Companies Profiled:

Vishay Intertechnology, Inc

ProPhotonix Limited

QSI Laser Corporation

Ushio America, Inc

Ondax, Inc

Global Sources

DirectIndustry

Everlight Electronics Co., Ltd.

Lite-On Technology Corporation

Kingbright Electronic Co., Ltd.

Opto Diode Corporation

OSRAM Opto Semiconductors GmbH

Roithner Lasertechnik GmbH

Laser Components GmbH

Key Questions Answered

1. How big is the global Infrared Receiving Diode market?
2. What is the demand of the global Infrared Receiving Diode market?
3. What is the year over year growth of the global Infrared Receiving Diode market?
4. What is the production and production value of the global Infrared Receiving Diode market?
5. Who are the key producers in the global Infrared Receiving Diode market?

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