

Global and United States PIN Diode Market Research by Company, Type & Application 2013-2025

<https://marketpublishers.com/r/G0DAC0C369CEN.html>

Date: April 2018

Pages: 116

Price: US\$ 2,000.00 (Single User License)

ID: G0DAC0C369CEN

Abstracts

SUMMARY

A PIN diode is composed of an I-type region separating the P-type and N-type regions. Forward-biasing the diode adjusts the resistivity of the I-type region. Diodes take in power through an anode and release it into a positively-charged area of a semiconductor. A small intrinsic layer separates the positive area from a negative region. The power moves through the intrinsic into the negative and then out through a cathode back into the device. PIN diodes are offered in discrete packages or integrated into IC processes. The benefit of using an integrated PIN diode for limiter design is the elimination of packaging parasitics, which degrade the receiver's noise performance. PIN diodes are built from an intrinsic (I) region of high resistivity in between a P-type and N-type semiconductor. A typical diode has a very small intrinsic area. Usually, diodes are composed of two connection terminals connected by a semiconductor. Diodes take in power through an anode and release it into a positively-charged area of a semiconductor. A small intrinsic layer separates the positive area from a negative region. The power moves through the intrinsic into the negative and then out through a cathode back into the device. A PIN Diode works a little differently. The power enters the diode and transfers to the positive region normally, but then it hits an extremely large intrinsic area. This area acts like a dam to the power moving through the system. It fills with more and more power as the positive area keeps sending it over. When it finally fills to the point where it simply can't take anymore, it begins to push power into the negative zone.

Market Segment as follows:

By Type

RF PIN Diode

PIN Photodiode

PIN Switch Diode

Others

By Application

Switches

Attenuators

RF Limiters

High voltage rectifier

mobile communications

Photodetectors and photovoltaic cell

Others

By Company

M/A-COM

Vishay

Infineon

AVAGO

NXP

ROHM

ON Semiconductor

Qorvo

Renesas

Albis

Skyworks

Toshiba

Fairchild

COBHAM

Microsemi

LRC

LASER COMPONENTS

LITEC

Kexin

Micro Commercial

GeneSiC

Shike

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

Section 9:

Conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Market Segment Overview
 - 1.1.1 Product Definition
 - 1.1.2 Market by Type
 - 1.1.2.1 RF PIN Diode
 - 1.1.2.2 PIN Photodiode
 - 1.1.2.3 PIN Switch Diode
 - 1.1.2.4 Others
 - 1.1.3 Market by Application
 - 1.1.3.1 Switches
 - 1.1.3.2 Attenuators
 - 1.1.3.3 RF Limiters
 - 1.1.3.4 High voltage rectifier
 - 1.1.3.5 mobile communications
 - 1.1.3.6 Photodetectors and photovoltaic cell
 - 1.1.3.7 Others
- 1.2 Global and Regional Market Size
 - 1.2.1 Global Overview
 - 1.2.2 United States Overview

2 GLOBAL AND REGIONAL MARKET BY COMPANY

- 2.1 Global
 - 2.1.1 Global Sales by Company
 - 2.1.2 Global Price by Company
- 2.2 United States
 - 2.2.1 United States Sales by Company
 - 2.2.2 United States Price by Company

3 GLOBAL AND REGIONAL MARKET BY TYPE

- 3.1 Global
 - 3.1.1 Global Sales by Type
 - 3.1.2 Global Price by Type
- 3.2 United States
 - 3.2.1 United States Sales by Type

3.2.2 United States Price by Type

4 GLOBAL AND REGIONAL MARKET BY APPLICATION

4.1 Global

4.1.1 Global Sales by Application

4.1.2 Global Price by Application

4.2 United States

4.2.1 United States Sales by Application

4.2.2 United States Price by Application

5 REGIONAL TRADE

5.1 Export

5.2 Import

6 KEY MANUFACTURERS

6.1 M/A-COM

6.1.2 Company Information

6.1.2 Product Specifications

6.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.2 Vishay

6.2.1 Company Information

6.2.2 Product Specifications

6.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.3 Infineon

6.3.1 Company Information

6.3.2 Product Specifications

6.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.4 AVAGO

6.4.1 Company Information

6.4.2 Product Specifications

6.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.5 NXP

6.5.1 Company Information

6.5.2 Product Specifications

6.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.6 ROHM

- 6.6.1 Company Information
- 6.6.2 Product Specifications
- 6.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.7 ON Semiconductor
 - 6.7.1 Company Information
 - 6.7.2 Product Specifications
 - 6.7.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.8 Qorvo
 - 6.8.1 Company Information
 - 6.8.2 Product Specifications
 - 6.8.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.9 Renesas
 - 6.9.1 Company Information
 - 6.9.2 Product Specifications
 - 6.9.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.10 Albis
 - 6.10.1 Company Information
 - 6.10.2 Product Specifications
 - 6.10.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.11 Skyworks
- 6.12 Toshiba
- 6.13 Fairchild
- 6.14 COBHAM
- 6.15 Microsemi
- 6.16 LRC
- 6.17 LASER COMPONENTS
- 6.18 LITEC
- 6.19 Kexin
- 6.20 Micro Commercial
- 6.21 GeneSiC
- 6.22 Shike

7 INDUSTRY UPSTREAM

- 7.1 Industry Chain
- 7.2 Raw Materials

8 MARKET ENVIRONMENT

8.1 SWOT

8.2 Porter's Five Forces

9 CONCLUSION

List Of Tables

LIST OF TABLES

Table Global Market Sales Revenue by Company 2013-2017
Table Global Market Sales Revenue Share by Company 2013-2017
Table Global Market Sales Volume by Company 2013-2017
Table Global Market Sales Volume Share by Company 2013-2017
Table Global Price by Company 2013-2017
Table United States Market Sales Revenue by Company 2013-2017
Table United States Market Sales Revenue Share by Company 2013-2017
Table United States Market Sales Volume by Company 2013-2017
Table United States Market Sales Volume Share by Company 2013-2017
Table United States Price by Company 2013-2017
Table Global Market Sales Revenue by Type 2013-2017
Table Global Market Sales Revenue Share by Type 2013-2017
Table Global Market Sales Volume by Type 2013-2017
Table Global Market Sales Volume Share by Type 2013-2017
Table Global Price by Type 2013-2017
Table United States Market Sales Revenue by Type 2013-2017
Table United States Market Sales Revenue Share by Type 2013-2017
Table United States Market Sales Volume by Type 2013-2017
Table United States Market Sales Volume Share by Type 2013-2017
Table United States Price by Type 2013-2017
Table Global Market Sales Revenue by Application 2013-2017
Table Global Market Sales Revenue Share by Application 2013-2017
Table Global Market Sales Volume by Application 2013-2017
Table Global Market Sales Volume Share by Application 2013-2017
Table Global Price by Application 2013-2017
Table United States Market Sales Revenue by Application 2013-2017
Table United States Market Sales Revenue Share by Application 2013-2017
Table United States Market Sales Volume by Application 2013-2017
Table United States Market Sales Volume Share by Application 2013-2017
Table United States Price by Application 2013-2017
Table United States Export 2013-2017 (Million USD)
Table United States Export 2013-2017 (Volume)
Table United States Import 2013-2017 (Million USD)
Table United States Import 2013-2017 (Volume)
Table Sales Revenue, Volume, Price, Cost and Margin of M/A-COM

Table Sales Revenue, Volume, Price, Cost and Margin of Vishay
Table Sales Revenue, Volume, Price, Cost and Margin of Infineon
Table Sales Revenue, Volume, Price, Cost and Margin of AVAGO
Table Sales Revenue, Volume, Price, Cost and Margin of NXP
Table Sales Revenue, Volume, Price, Cost and Margin of ROHM
Table Sales Revenue, Volume, Price, Cost and Margin of ON Semiconductor
Table Sales Revenue, Volume, Price, Cost and Margin of Qorvo
Table Sales Revenue, Volume, Price, Cost and Margin of Renesas
Table Sales Revenue, Volume, Price, Cost and Margin of Albis
Table Sales Revenue, Volume, Price, Cost and Margin of Skyworks
Table Sales Revenue, Volume, Price, Cost and Margin of Toshiba
Table Sales Revenue, Volume, Price, Cost and Margin of Fairchild
Table Sales Revenue, Volume, Price, Cost and Margin of COBHAM
Table Sales Revenue, Volume, Price, Cost and Margin of Microsemi
Table Sales Revenue, Volume, Price, Cost and Margin of LRC
Table Sales Revenue, Volume, Price, Cost and Margin of LASER COMPONENTS
Table Sales Revenue, Volume, Price, Cost and Margin of LITEC
Table Sales Revenue, Volume, Price, Cost and Margin of Kexin
Table Sales Revenue, Volume, Price, Cost and Margin of Micro Commercial
Table Sales Revenue, Volume, Price, Cost and Margin of GeneSiC
Table Sales Revenue, Volume, Price, Cost and Margin of Shike

List Of Figures

LIST OF FIGURES

- Figure RF PIN Diode Market Size and CAGR 2013-2017 (Million USD)
- Figure RF PIN Diode Market Size and CAGR 2013-2017 (Volume)
- Figure RF PIN Diode Market Forecast and CAGR 2018-2025 (Million USD)
- Figure RF PIN Diode Market Forecast and CAGR 2018-2025 (Volume)
- Figure PIN Photodiode Market Size and CAGR 2013-2017 (Million USD)
- Figure PIN Photodiode Market Size and CAGR 2013-2017 (Volume)
- Figure PIN Photodiode Market Forecast and CAGR 2018-2025 (Million USD)
- Figure PIN Photodiode Market Forecast and CAGR 2018-2025 (Volume)
- Figure PIN Switch Diode Market Size and CAGR 2013-2017 (Million USD)
- Figure PIN Switch Diode Market Size and CAGR 2013-2017 (Volume)
- Figure PIN Switch Diode Market Forecast and CAGR 2018-2025 (Million USD)
- Figure PIN Switch Diode Market Forecast and CAGR 2018-2025 (Volume)
- Figure Others Market Size and CAGR 2013-2017 (Million USD)
- Figure Others Market Size and CAGR 2013-2017 (Volume)
- Figure Others Market Forecast and CAGR 2018-2025 (Million USD)
- Figure Others Market Forecast and CAGR 2018-2025 (Volume)
- Figure Switches Market Size and CAGR 2013-2017 (Million USD)
- Figure Switches Market Size and CAGR 2013-2017 (Volume)
- Figure Switches Market Forecast and CAGR 2018-2025 (Million USD)
- Figure Switches Market Forecast and CAGR 2018-2025 (Volume)
- Figure Attenuators Market Size and CAGR 2013-2017 (Million USD)
- Figure Attenuators Market Size and CAGR 2013-2017 (Volume)
- Figure Attenuators Market Forecast and CAGR 2018-2025 (Million USD)
- Figure Attenuators Market Forecast and CAGR 2018-2025 (Volume)
- Figure RF Limiters Market Size and CAGR 2013-2017 (Million USD)
- Figure RF Limiters Market Size and CAGR 2013-2017 (Volume)
- Figure RF Limiters Market Forecast and CAGR 2018-2025 (Million USD)
- Figure RF Limiters Market Forecast and CAGR 2018-2025 (Volume)
- Figure High voltage rectifier Market Size and CAGR 2013-2017 (Million USD)
- Figure High voltage rectifier Market Size and CAGR 2013-2017 (Volume)
- Figure High voltage rectifier Market Forecast and CAGR 2018-2025 (Million USD)
- Figure High voltage rectifier Market Forecast and CAGR 2018-2025 (Volume)
- Figure mobile communications Market Size and CAGR 2013-2017 (Million USD)
- Figure mobile communications Market Size and CAGR 2013-2017 (Volume)
- Figure mobile communications Market Forecast and CAGR 2018-2025 (Million USD)

Figure mobile communications Market Forecast and CAGR 2018-2025 (Volume)

Figure Photodetectors and photovoltaic cell Market Size and CAGR 2013-2017 (Million USD)

Figure Photodetectors and photovoltaic cell Market Size and CAGR 2013-2017 (Volume)

Figure Photodetectors and photovoltaic cell Market Forecast and CAGR 2018-2025 (Million USD)

Figure Photodetectors and photovoltaic cell Market Forecast and CAGR 2018-2025 (Volume)

Figure Others Market Size and CAGR 2013-2017 (Million USD)

Figure Others Market Size and CAGR 2013-2017 (Volume)

Figure Others Market Forecast and CAGR 2018-2025 (Million USD)

Figure Others Market Forecast and CAGR 2018-2025 (Volume)

Figure Global PIN Diode Market Size and CAGR 2013-2017 (Million USD)

Figure Global PIN Diode Market Size and CAGR 2013-2017 (Volume)

Figure Global PIN Diode Market Forecast and CAGR 2018-2025 (Million USD)

Figure Global PIN Diode Market Forecast and CAGR 2018-2025 (Volume)

Figure United States PIN Diode Market Size and CAGR 2013-2017 (Million USD)

Figure United States PIN Diode Market Size and CAGR 2013-2017 (Volume)

Figure United States PIN Diode Market Forecast and CAGR 2018-2025 (Million USD)

Figure United States PIN Diode Market Forecast and CAGR 2018-2025 (Volume)

Figure Global Market Sales Revenue Share by Company in 2017

Figure Global Market Sales Volume Share by Company in 2017

Figure United States Market Sales Revenue Share by Company in 2017

Figure United States Market Sales Volume Share by Company in 2017

Figure Global Market Sales Revenue Share by Type in 2017

Figure Global Market Sales Volume Share by Type in 2017

Figure United States Market Sales Revenue Share by Type in 2017

Figure United States Market Sales Volume Share by Type in 2017

Figure Global Market Sales Revenue Share by Application in 2017

Figure Global Market Sales Volume Share by Application in 2017

Figure United States Market Sales Revenue Share by Application in 2017

Figure United States Market Sales Volume Share by Application in 2017

Figure Industry Chain Overview

Figure PIN Diode SWOT List

Figure Electronics & Software Porter's Five Forces

I would like to order

Product name: Global and United States PIN Diode Market Research by Company, Type & Application 2013-2025

Product link: <https://marketpublishers.com/r/G0DAC0C369CEN.html>

Price: US\$ 2,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0DAC0C369CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

