

# Covid-19 Impact on PN and PIN Photodiode Market, Global Research Reports 2020-2021

https://marketpublishers.com/r/C2ED485E458BEN.html

Date: June 2020

Pages: 97

Price: US\$ 3,250.00 (Single User License)

ID: C2ED485E458BEN

### **Abstracts**

This report covers market size and forecasts of PN and PIN Photodiode, including the following market information:

Global PN and PIN Photodiode Market Size, 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global PN and PIN Photodiode Market Size by Type and by Application, 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global PN and PIN Photodiode Market Size by Region (and Key Countries), 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global PN and PIN Photodiode Market Size by Company, 2019- 2020 (quarterly data), (US\$ Million) & (K Units)

#### Key market players

Major competitors identified in this market include Osram, Hamamatsu, Kodenshi, Lumentum, First Sensor, Vishay, Everlight, Kyosemi Corporation, ON Semiconductor, Luna Optoelectronic, etc.

Based on the Region:

Asia-Pacific (China, Japan, South Korea, India and ASEAN)



North America (US and Canada)

Europe (Germany, France, UK and Italy)

Rest of World (Latin America, Middle East & Africa)
Based on the Type:
PIN Photodiodes
PN Photodiodes
Based on the Application:
Aerospace and Defense
Consumer Electronics
Automotive
Medical
Other



#### **Contents**

- 1.1 Research Scope
- 1.2 Market Segmentation
- 1.3 Research Objectives
- 1.4 Research Methodology
  - 1.4.1 Research Process
  - 1.4.2 Data Triangulation
  - 1.4.3 Research Approach
  - 1.4.4 Base Year
- 1.5 Coronavirus Disease 2019 (Covid-19) Impact Will Have a Severe Impact on Global Growth
  - 1.5.1 Covid-19 Impact: Global GDP Growth, 2019, 2020 and 2021 Projections
  - 1.5.2 Covid-19 Impact: Commodity Prices Indices
  - 1.5.3 Covid-19 Impact: Global Major Government Policy
- 1.6 The Covid-19 Impact on PN and PIN Photodiode Industry
- 1.7 COVID-19 Impact: PN and PIN Photodiode Market Trends

#### 2 GLOBAL PN AND PIN PHOTODIODE QUARTERLY MARKET SIZE ANALYSIS

- 2.1 PN and PIN Photodiode Business Impact Assessment COVID-19
- 2.1.1 Global PN and PIN Photodiode Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026
- 2.1.2 Global PN and PIN Photodiode Price, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026
- 2.2 Global PN and PIN Photodiode Quarterly Market Size 2020-2021
- 2.3 COVID-19-Driven Market Dynamics and Factor Analysis
  - 2.3.1 Drivers
  - 2.3.2 Restraints
  - 2.3.3 Opportunities
  - 2.3.4 Challenges

#### **3 QUARTERLY COMPETITIVE ASSESSMENT, 2020**

- 3.1 Global PN and PIN Photodiode Quarterly Market Size by Manufacturers, 2019 VS 2020
- 3.2 Global PN and PIN Photodiode Factory Price by Manufacturers
- 3.3 Location of Key Manufacturers PN and PIN Photodiode Manufacturing Factories and Area Served



- 3.4 Date of Key Manufacturers Enter into PN and PIN Photodiode Market
- 3.5 Key Manufacturers PN and PIN Photodiode Product Offered
- 3.6 Mergers & Acquisitions, Expansion Plans

#### 4 IMPACT OF COVID-19 ON PN AND PIN PHOTODIODE SEGMENTS, BY TYPE

- 4.1 Introduction
  - 1.4.1 PIN Photodiodes
  - 1.4.2 PN Photodiodes
- 4.2 By Type, Global PN and PIN Photodiode Market Size, 2019-2021
  - 4.2.1 By Type, Global PN and PIN Photodiode Market Size by Type, 2020-2021
  - 4.2.2 By Type, Global PN and PIN Photodiode Price, 2020-2021

# 5 IMPACT OF COVID-19 ON PN AND PIN PHOTODIODE SEGMENTS, BY APPLICATION

- 5.1 Overview
  - 5.5.1 Aerospace and Defense
  - 5.5.2 Consumer Electronics
  - 5.5.3 Automotive
  - 5.5.4 Medical
  - 5.5.5 Other
- 5.2 By Application, Global PN and PIN Photodiode Market Size, 2019-2021
- 5.2.1 By Application, Global PN and PIN Photodiode Market Size by Application, 2019-2021
- 5.2.2 By Application, Global PN and PIN Photodiode Price, 2020-2021

#### **6 GEOGRAPHIC ANALYSIS**

- 6.1 Introduction
- 6.2 North America
  - 6.2.1 Macroeconomic Indicators of US
  - 6.2.2 US
  - 6.2.3 Canada
- 6.3 Europe
  - 6.3.1 Macroeconomic Indicators of Europe
  - 6.3.2 Germany
  - 6.3.3 France
  - 6.3.4 UK



- 6.3.5 Italy
- 6.4 Asia-Pacific
  - 6.4.1 Macroeconomic Indicators of Asia-Pacific
  - 6.4.2 China
  - 6.4.3 Japan
  - 6.4.4 South Korea
  - 6.4.5 India
  - 6.4.6 ASEAN
- 6.5 Rest of World
  - 6.5.1 Latin America
  - 6.5.2 Middle East and Africa

#### **7 COMPANY PROFILES**

- 7.1 Osram
  - 7.1.1 Osram Business Overview
  - 7.1.2 Osram PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.1.3 Osram PN and PIN Photodiode Product Introduction
  - 7.1.4 Osram Response to COVID-19 and Related Developments
- 7.2 Hamamatsu
  - 7.2.1 Hamamatsu Business Overview
  - 7.2.2 Hamamatsu PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.2.3 Hamamatsu PN and PIN Photodiode Product Introduction
- 7.2.4 Hamamatsu Response to COVID-19 and Related Developments
- 7.3 Kodenshi
  - 7.3.1 Kodenshi Business Overview
  - 7.3.2 Kodenshi PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.3.3 Kodenshi PN and PIN Photodiode Product Introduction
  - 7.3.4 Kodenshi Response to COVID-19 and Related Developments
- 7.4 Lumentum
  - 7.4.1 Lumentum Business Overview
  - 7.4.2 Lumentum PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.4.3 Lumentum PN and PIN Photodiode Product Introduction
  - 7.4.4 Lumentum Response to COVID-19 and Related Developments
- 7.5 First Sensor
  - 7.5.1 First Sensor Business Overview
  - 7.5.2 First Sensor PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.5.3 First Sensor PN and PIN Photodiode Product Introduction
  - 7.5.4 First Sensor Response to COVID-19 and Related Developments



#### 7.6 Vishay

- 7.6.1 Vishay Business Overview
- 7.6.2 Vishay PN and PIN Photodiode Quarterly Production and Revenue, 2020
- 7.6.3 Vishay PN and PIN Photodiode Product Introduction
- 7.6.4 Vishay Response to COVID-19 and Related Developments

#### 7.7 Everlight

- 7.7.1 Everlight Business Overview
- 7.7.2 Everlight PN and PIN Photodiode Quarterly Production and Revenue, 2020
- 7.7.3 Everlight PN and PIN Photodiode Product Introduction
- 7.7.4 Everlight Response to COVID-19 and Related Developments
- 7.8 Kyosemi Corporation
  - 7.8.1 Kyosemi Corporation Business Overview
- 7.8.2 Kyosemi Corporation PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.8.3 Kyosemi Corporation PN and PIN Photodiode Product Introduction
- 7.8.4 Kyosemi Corporation Response to COVID-19 and Related Developments
- 7.9 ON Semiconductor
  - 7.9.1 ON Semiconductor Business Overview
- 7.9.2 ON Semiconductor PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.9.3 ON Semiconductor PN and PIN Photodiode Product Introduction
  - 7.9.4 ON Semiconductor Response to COVID-19 and Related Developments
- 7.10 Luna Optoelectronic
  - 7.10.1 Luna Optoelectronic Business Overview
- 7.10.2 Luna Optoelectronic PN and PIN Photodiode Quarterly Production and Revenue, 2020
  - 7.10.3 Luna Optoelectronic PN and PIN Photodiode Product Introduction
- 7.10.4 Luna Optoelectronic Response to COVID-19 and Related Developments

#### **8 SUPPLY CHAIN AND SALES CHANNELS ANALYSIS**

- 8.1 PN and PIN Photodiode Supply Chain Analysis
  - 8.1.1 PN and PIN Photodiode Supply Chain Analysis
  - 8.1.2 Covid-19 Impact on PN and PIN Photodiode Supply Chain
- 8.2 Distribution Channels Analysis
  - 8.2.1 PN and PIN Photodiode Distribution Channels
  - 8.2.2 Covid-19 Impact on PN and PIN Photodiode Distribution Channels
  - 8.2.3 PN and PIN Photodiode Distributors
- 8.3 PN and PIN Photodiode Customers



#### **9 KEY FINDINGS**

#### **10 APPENDIX**

10.1 About Us

10.2 Disclaimer



#### **List Of Tables**

#### LIST OF TABLES

Table 1. Overview of the World Economic Outlook Projections

Table 2. Summary of World Real per Capita Output (Annual percent change; in international currency at purchasing power parity)

Table 3. European Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 4. Asian and Pacific Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 5. Western Hemisphere Economies: Real GDP, Consumer Prices, Current

Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 6. Middle Eastern and Central Asian Economies: Real GDP, Consumer Prices,

Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 7. Covid-19 Impact: Global Major Government Policy

Table 8. The Covid-19 Impact on PN and PIN Photodiode Assessment

Table 9. COVID-19 Impact: PN and PIN Photodiode Market Trends

Table 10. COVID-19 Impact Global PN and PIN Photodiode Market Size

Table 11. Global PN and PIN Photodiode Market Size Pre-COVID-19 and Post-

COVID-19 Comparison, 2015-2026 (K Units)

Table 12. Global PN and PIN Photodiode Price, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026, (USD/Unit)

Table 13. Global PN and PIN Photodiode Quarterly Market Size, 2020 (US\$ Million) & (K Units)

Table 14. Global PN and PIN Photodiode Market Size, Pre-COVID-19 and Post-

COVID-19 Quarterly Comparison, 2020-2021 (US\$ Million)

Table 15. Global PN and PIN Photodiode Market Size, Pre-COVID-19 and Post-

COVID-19 Quarterly Comparison, 2020-2021 (K Units)

Table 16. Global PN and PIN Photodiode Market Growth Drivers

Table 17. Global PN and PIN Photodiode Market Restraints

Table 18. Global PN and PIN Photodiode Market Opportunities

Table 19. Global PN and PIN Photodiode Market Challenges

Table 20. Key Manufacturers PN and PIN Photodiode Quarterly Revenue, 2019 VS 2020 (US\$ Million)

Table 21. Top Manufacturers, PN and PIN Photodiode Market Size, 2019 (K Units) & (US\$ Million)

Table 22. PN and PIN Photodiode Factory Price by Manufacturers 2020 (USD/Unit)



- Table 23. Location of Key Manufacturers PN and PIN Photodiode Manufacturing Plants
- Table 24. Key Manufacturers PN and PIN Photodiode Market Served
- Table 25. Date of Key Manufacturers Enter into PN and PIN Photodiode Market
- Table 26. Key Manufacturers PN and PIN Photodiode Product Type
- Table 27. Mergers & Acquisitions, Expansion Plans
- Table 28. Global PN and PIN Photodiode Market Size by Type, 2020, (US\$ Million)
- Table 29. Global PN and PIN Photodiode Market Size by Type, 2020 (K Units)
- Table 30. Global PN and PIN Photodiode Price: by Type, 2020-2021 (USD/Unit)
- Table 31. Global PN and PIN Photodiode Market Size by Application: 2020-2021 (US\$ Million)
- Table 32. Global PN and PIN Photodiode Market Size by Application, 2020-2021 (K Units)
- Table 33. Global PN and PIN Photodiode Price: by Application, 2020-2021 (USD/Unit)
- Table 34. Global PN and PIN Photodiode Market Size by Region, 2019-2021 (US\$ Million)
- Table 35. Global PN and PIN Photodiode Market Size by Region, 2019-2021 (K Units)
- Table 36. By Country, North America PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million)
- Table 37. By Country, North America PN and PIN Photodiode Market Size, 2019-2021 (K Units)
- Table 38. US PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 39. Canada PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 40. Macroeconomic Indicators of Europe (Germany, France, UK and Italy)
- Table 41. By Country, Europe PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million)
- Table 42. By Country, Europe PN and PIN Photodiode Market Size, 2019-2021 (K Units)
- Table 43. Germany PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 44. France PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 45. UK PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 46. Italy PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 47. Macroeconomic Indicators of Asia-Pacific (China, Japan, South Korea, India and ASEAN)
- Table 48. By Region, Asia-Pacific PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million)



- Table 49. By Region, Asia-Pacific PN and PIN Photodiode Market Size, 2019-2021 (K Units)
- Table 50. China PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 51. Japan PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 52. South Korea PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 53. India PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 54. ASEAN PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 55. Latin America PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 56. Middle East and Africa PN and PIN Photodiode Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 57. Osram Business Overview
- Table 58. Osram PN and PIN Photodiode Production (K Units), Revenue (US\$ Million),
- Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 59. Osram PN and PIN Photodiode Product
- Table 60. Osram Response to COVID-19 and Related Developments
- Table 61. Hamamatsu Business Overview
- Table 62. Hamamatsu PN and PIN Photodiode Production (K Units), Revenue (US\$
- Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 63. Hamamatsu PN and PIN Photodiode Product
- Table 64. Hamamatsu Response to COVID-19 and Related Developments
- Table 65. Kodenshi Business Overview
- Table 66. Kodenshi PN and PIN Photodiode Production (K Units), Revenue (US\$
- Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 67. Kodenshi PN and PIN Photodiode Product
- Table 68. Kodenshi Response to COVID-19 and Related Developments
- Table 69. Lumentum Business Overview
- Table 70. Lumentum PN and PIN Photodiode Production (K Units), Revenue (US\$
- Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 71. Lumentum PN and PIN Photodiode Product
- Table 72. Lumentum Response to COVID-19 and Related Developments
- Table 73. First Sensor Business Overview
- Table 74. First Sensor PN and PIN Photodiode Production (K Units), Revenue (US\$
- Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020



- Table 75. First Sensor PN and PIN Photodiode Product
- Table 76. First Sensor Response to COVID-19 and Related Developments
- Table 77. Vishay Business Overview
- Table 78. Vishay PN and PIN Photodiode Production (K Units), Revenue (US\$ Million),
- Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 79. Vishay PN and PIN Photodiode Product
- Table 80. Vishay Response to COVID-19 and Related Developments
- Table 81. Everlight Business Overview
- Table 82. Everlight PN and PIN Photodiode Production (K Units), Revenue (US\$
- Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 83. Everlight PN and PIN Photodiode Product
- Table 84. Everlight Response to COVID-19 and Related Developments
- Table 85. Kyosemi Corporation Business Overview
- Table 86. Kyosemi Corporation PN and PIN Photodiode Production (K Units), Revenue
- (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 87. Kyosemi Corporation PN and PIN Photodiode Product
- Table 88. Kyosemi Corporation Response to COVID-19 and Related Developments
- Table 89. ON Semiconductor Business Overview
- Table 90. ON Semiconductor PN and PIN Photodiode Production (K Units), Revenue
- (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 91. ON Semiconductor PN and PIN Photodiode Product
- Table 92. ON Semiconductor Response to COVID-19 and Related Developments
- Table 93. Luna Optoelectronic Business Overview
- Table 94. Luna Optoelectronic PN and PIN Photodiode Production (K Units), Revenue
- (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020
- Table 95. Luna Optoelectronic PN and PIN Photodiode Product
- Table 96. Luna Optoelectronic Response to COVID-19 and Related Developments
- Table 97. PN and PIN Photodiode Distributors List
- Table 98. PN and PIN Photodiode Customers List
- Table 99. Covid-19 Impact on PN and PIN Photodiode Customers



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1. PN and PIN Photodiode Product Picture
- Figure 2. PN and PIN Photodiode Market Segmentation
- Figure 3. Research Objectives
- Figure 4. Research Process
- Figure 5. Data Triangulation
- Figure 6. Research Approach
- Figure 7. Commodity Prices-Metals Price Indices
- Figure 8. Commodity Prices- Precious Metal Price Indices
- Figure 9. Commodity Prices- Agricultural Raw Material Price Indices
- Figure 10. Commodity Prices- Food and Beverage Price Indices
- Figure 11. Commodity Prices- Fertilizer Price Indices
- Figure 12. Commodity Prices- Energy Price Indices
- Figure 13. G20+: Economic Policy Responses to COVID-19
- Figure 14. Global PN and PIN Photodiode Market Size, Pre-COVID-19 and Post-
- COVID-19 Comparison, 2015-2026 (US\$ Million)
- Figure 15. Global PN and PIN Photodiode Market Size, Pre-COVID-19 and Post-
- COVID-19, Year-over-Year Growth Rate, 2015-2026 (%)
- Figure 16. Global PN and PIN Photodiode Market Size, Quarterly Growth, 2020-2021 (%)
- Figure 17. Global PN and PIN Photodiode Market Size, Market Share by Type, 2019 VS 2020 (%)
- Figure 18. Global PN and PIN Photodiode Market Size, Market Share by Application, 2019 VS 2020 (%)
- Figure 19. Global PN and PIN Photodiode Market Size Market Share by Region, 2019 VS 2020 (%)
- Figure 20. United States Composite PMI and GDP
- Figure 21. Eurozone Composite PMI and GDP
- Figure 22. Eurozone Core v. Periphery PMI Output Indices
- Figure 23. Core v. Periphery PMI Employment Indices
- Figure 24. UK Composite PMI and GDP
- Figure 25. Caixin China Composite Output Index
- Figure 26. Caixin China General Services Business Activity Index
- Figure 27. Japan Composite Output Index
- Figure 28. South Korea Manufacturing PMI
- Figure 29. India Composite Output Index



Figure 30. ASEAN Manufacturing PMI

Figure 31. By Region, Asia-Pacific PN and PIN Photodiode Market Size Market Share, 2019-2021



#### I would like to order

Product name: Covid-19 Impact on PN and PIN Photodiode Market, Global Research Reports 2020-2021

Product link: https://marketpublishers.com/r/C2ED485E458BEN.html

Price: US\$ 3,250.00 (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 <a href="https://marketpublishers.com/r/C2ED485E458BEN.html">https://marketpublishers.com/r/C2ED485E458BEN.html</a>

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
	Custumer signature

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

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