

# 1201 Photodiode

PD-2



## Linear InGaAs PIN Photodiode, 2 GHz

The PD-2 is a 2 GHz, linear InGaAs PIN photodiode. It features high response and high reliability, low return loss, low capacitance, low dark current and housed in coaxial package. This photodiode can be use in analog optical receiver and test equipment.

### FEATURES

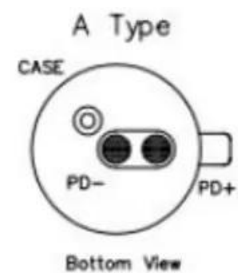
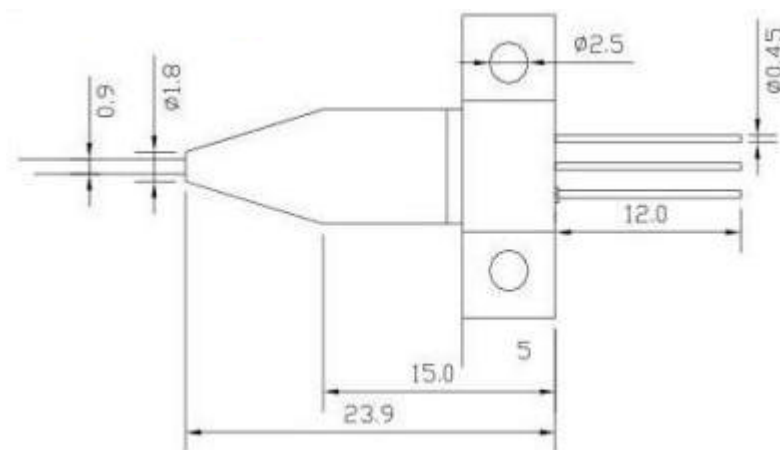
- High Responsivity, Low Return Loss
- High Reliability, Long Operation Life
- Detect Range 1100 nm to 1650 nm
- Low Capacitance and Low Dark Current
- Planar Incident Structure
- Coaxial Package, Laser Welding

### USE IN

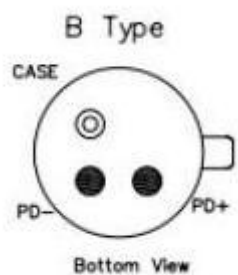
- Analog Optical Receiver
- Test Equipment

### MECHANICAL DRAWING

Unit: mm



Bottom View



Bottom View

### ORDERING OPTIONS

PD-2-X

- X: A, A Type Pin-Out
- B, B Type Pin-Out

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**

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Wavelengths	1100 nm to 1650 nm	
Responsivity	V <sub>r</sub> =5 V, λ =1310 nm	0.85 A/W min.; 0.90 A/W typ.
	V <sub>r</sub> =5 V, λ =1550 nm	0.90 A/W min.; 0.95 A/W typ.
Dark Current	0.2 nA typ.; 0.5 nA max	
Capacitance	0.6 pF typ.; 0.75 pF max.	
Rise Time/Fall Time	0.3 ns max.	
Bandwidth	2.5 GHz min.	
CSO	-70 dB typ.	
CTB	-80 dB typ.	
Operating Voltage	-5 V typ.	
Return Loss	45 dB typ.	
Saturated Power	5 mW max.	
Forward Current	10 mA typ.	
Reverse Voltage	30 V typ.	
Reverse Current	5 mA typ.	
Storage Temperature	-40°C to +85°C	
Operating Temperature	-40°C to +85°C	

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