

PD-2



2 GHz, Linear InGaAs PIN Photodiode, Coaxial Package

The Optilab 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.

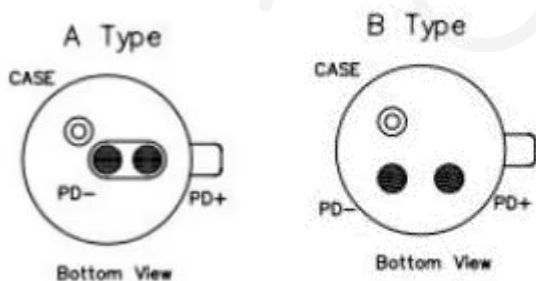
FEATURES

- 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

PIN OUT



ORDERING OPTIONS

PD-2-X

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

Wavelengths	1100 nm to 1650 nm	
Responsivity	$V_r=5\text{ V}$, $\lambda =1310\text{ nm}$	0.85 A/W min.; 0.90 A/W typ.
	$V_r=5\text{ V}$, $\lambda =1550\text{ nm}$	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	

MECHANICAL DRAWING

Unit: mm

