



# PL3130-1.5G

## 1.5GHz InGaAs

### Fiber Optic Photodetector(900~1700nm)

### Overview

PL3130-1.5G NIR photodetector module workable from DC ~ up to 2000MHz frequency range is the lowest-cost version for general purpose use on optical-to-electrical conversion in R & D environment. It fits for either single mode or multimode fiber pigtailed input. With a long-life battery built in casing allows at least 500 hours of continuous operation. PH3122-1.5G comes with a direct SMA output connector, which offers much convenience in laboratories for oscilloscope.

### Key Features

- Compact size with completely self-contained components
- Super light-weight
- Direct OE conversion
- Super low dark current PD module built-in
- Long life battery for continuous operation



### Main Applications

- Build-up of different optical measurement systems
- Fiber sensor system
- Telecom instrument
- R & D for general purpose.

### General Specifications

Product Model	PL3130-1.5G
PD Chip	InGaAs.
Spectral Range	900nm ~ 1700nm
Dark Current	< 1nA
PD Responsivity	0.8A/W typ@1310nm; 0.9A/W@1550nm
Frequency Bandwidth	> 1.5GHz (DC ~ 1.5GHz typical)
Input Fiber Types	SM, MM
Compatible Fiber Core Types	9/125, 50/125, 62.5/125 or PM fiber
Electrical Output Connector Type	SMA (male)
Input Optical Connector Type	FC, SC, ST (Universal Adaptor)(with extra FC cap typical)
Power Supply (Battery)	12VDC, A23
Operating Temperature (°C)	-10 ~ +60
Storage Temperature (°C)	-25 ~ +70
Battery Operating Time (hrs)	≥ 500
Casing Dimensions (mm)	50 x 40 x 25
Weight (g)	40

*Other center wavelengths are available;*

*Photonik reserves the rights to change product designs and specifications at any time without notice.*

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