

## 48PD-BPX61 power monitor

Photo detector for monitoring purposes



### FEATURES

Photo detector for monitoring purpose

- Based on photodiode type Osram BPX61
- Clear aperture Ø 2.6 mm
- Spectral range 400 - 1100 nm
- 3° inclined mounting
- System mount Ø 19.5 mm
- Connector type SMA

## DESCRIPTION

The photo detector type 48PD-BPX61 is designed to be integrated into the [multicube system](#). With the photo detector you can build a power monitor such as it is used in the [Fiber Port Clusters](#).

The photo detector is based on a Silicon PIN photodiode type OSRAM BPX61 with a spectral range 400 - 1100 nm. Its aperture is Ø 2.6 mm.

In order to avoid back reflection it is mounted with an angle of 3°.

For a linear response you have to short-circuit the photodiode using a resistor. Then the voltage drop is measured along this resistor. The resistance you need for a linear response of the system depends on the optical wavelength and the optical power level.

The photo diode is delivered without resistor.

As an alternative you also can use a transimpedance amplifier.

## TECHNICAL DATA

48PD-BPX61 power monitor

Order Code	48PD-BPX61
Photodiode	Type Osram BPX61
Spectral range	400 - 1100 nm

Clear aperture	Ø 2.6 mm
Inclined mount	3°
Connector	SMA, galvanivcally isolated
System mount	Ø 19.5 mm
Housing material	Nickel silver / steel
Weight	
Reverse voltage	32 V
Total power dissipation	250 mW
Spectral sensitivity @ 850 nm	0.62 A/W
Raise/fall time	20 ns
Forward voltage	1.3 V
Capacitance	72 pF

## DOWNLOADS



[011120190100.pdf \(Dimensional drawing\)](#)

## RELATED PRODUCTS

**BEAM SPLITTING PLATES 48BS-CC** Beam splitting plate, in adjustment mount

This is a printout of the page <https://sukhamburg.com/products/details/48PD-BPX61> from 5/7/2024

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