



Fiber Pigtailed Photodiode (FPPD Series)

Rev 11F

Description

The 2 μm Fiber Pigtailed Photodiode is a coaxial package photoelectrical component. It features high responsivity, low dark current and good temperature performance over a wide wavelength range.

Key Features

- High Responsivity
- Low Dark Current

Applications

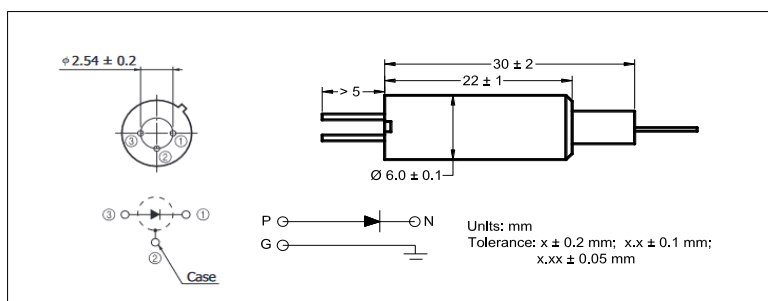
- Optical Sensing System

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	2000
Operating Wavelength Range	nm	$\lambda_c \pm 40$
Min. Responsivity	A/W	0.8
Min. Return Loss ¹	dB	40
Max. Reverse Voltage (V_R)	V	1
Max. Input Power	mW	10
Typical Bandwidth ($R_L = 50 \Omega$, $V_R = 0 \text{ V}$)	MHz	90
Max. Dark Current ($V_R = 0.5 \text{ V @ } 70^\circ\text{C}$)	μA	1
Max. Capacitance ($V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$)	pF	50
Fiber Type	-	SMF-28 Fiber
Operating Temperature	$^\circ\text{C}$	0 to + 70
Storage Temperature	$^\circ\text{C}$	- 40 to + 85
Soldering Temperature (over 2 mm from head, less than 5s)	$^\circ\text{C}$	≤ 260

¹RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

FPPD-①①-②-③-④

①①: Center Wavelength
20 - 2000 nm

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

④: Fiber Length

1 - 1.0 m

F - 1.5 m

S - Specify