



## Fiber Pigtailed Photodiode (FPPD Series)

Rev 11

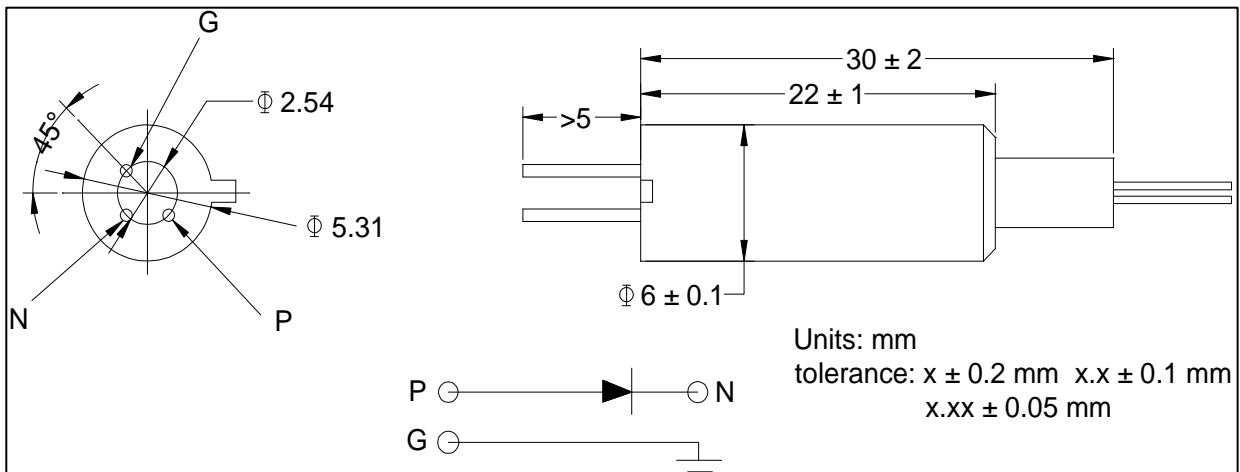
The 2 μm Fiber Pigtailed Photodiode is a coaxial package photoelectrical component. It features high responsivity, low dark current and good temperature performance over a wide wavelength range. It can be applied for channel power monitoring in DWDM system, in-line optical network switching/protection monitoring (OLP), re-configurable optical add/drop multiplexer (OADM) and gain attenuation monitoring in EDFA, etc.

### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	2000
Operating Wavelength Range	nm	$\lambda_c \pm 40$
Min. Responsivity	A/W	0.8
Min. Return Loss	dB	40
Rise/Fall Time (RL = 50 $\Omega$ , 1 V)	ns	23
Bandwidth (RL = 50 $\Omega$ , 1 V)	MHz	15
Max. Dark Current (1 V bias)	$\mu$ A	75
Max. Capacitance (1 V)	pF	200
Fiber Type		SMF-28 fiber
Operating Temperature	$^{\circ}$ C	0 to +70
Storage Temperature	$^{\circ}$ C	-40 to +85
Soldering Temperature (over 2 mm from head, less than 5 s)	$^{\circ}$ C	$\leq 260$

\*RL 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  $\mu$ m bare fiber  
L - 900  $\mu$ m loose tube  
T - 900  $\mu$ m tight buffer

④: Fiber Length

1 - 1.0 m  
F - 1.5 m  
S - Specify