



## Fiber Pigtailed Photodiode (FPPD)

Rev 11D

The 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.

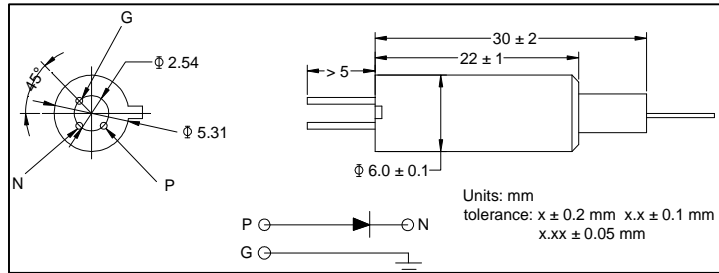
### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310 1550
Operating Wavelength Range ( $\lambda_{op}$ )	nm	$\lambda_c \pm 50$ nm
Min. Responsivity	A/W	0.75 0.80
Min. Return Loss	dB	45
Dark Current (@ 70 °C, -5 V bias)	nA	8
		2
Fiber Type		SMF-28 fiber
Operating Temperature	°C	0 to +70
Storage Temperature	°C	-40 to +85
Soldering Temperature (Over 2 mm from head, less than 5 s)	°C	$\leq 260$

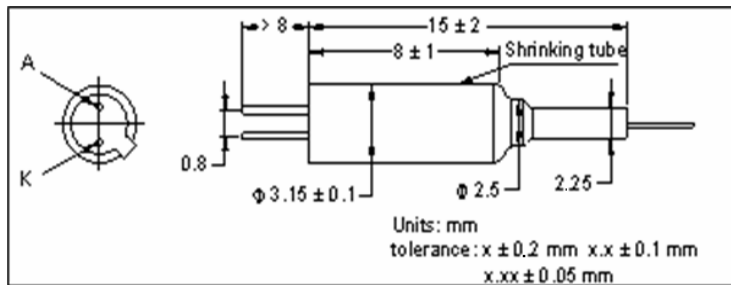
\*RL is 5 dB lower for each connector added.

### Package Dimensions

#### TO-46 package



#### Mini Size Package



### Ordering Information

FPPD-①①-②-③-④-⑤-⑥

①①: Center Wavelength  
55 - 1550 nm  
31 - 1310 nm

②: Bandwidth  
05 - 0.5 G  
20 - 2.0 G

③: Connector Type  
1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC

④: Fiber Jacket  
B - 250  $\mu$ m bare fiber  
L - 900  $\mu$ m loose tube  
T - 900  $\mu$ m tight buffer

⑤: Fiber Length  
1 - 1.0 m  
S - Specify

⑥: Package Type  
1 - TO-46 package  
2 - Mini size package

4 - SC/APC  
N - None  
S - Specify