



Fiber Pigtailed Photodiode (FPPD)

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.

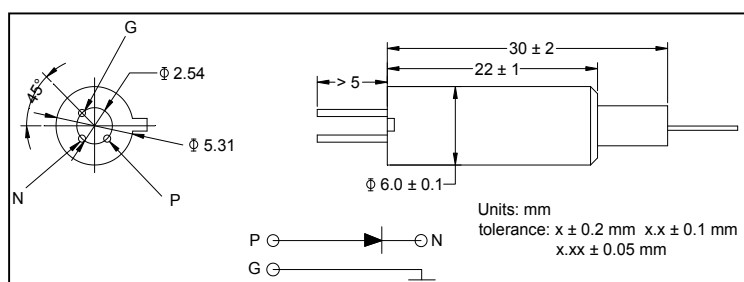
Specifications

Parameter		Unit		Value
Center Wavelength (λ_c)		nm	1310	1550
Operating Wavelength Range (λ_{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)	0.5 G Bandwidth	nA		8
	2.0 G Bandwidth			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		≤ 260

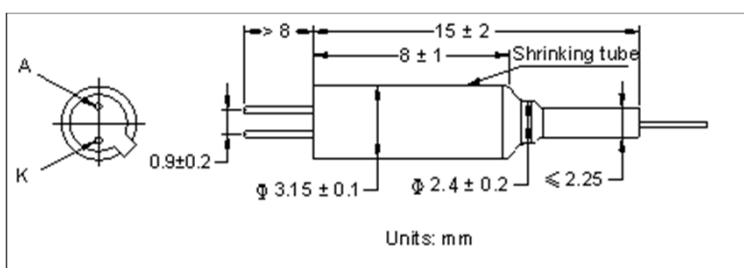
*RL is 5 dB lower for each connector added.

Package Dimensions

TO-46 package



Mini Size Package



Ordering Information

FPPD-①①②②③④⑤⑥

①①: Center Wavelength

55 - 1550 nm

31 - 1310 nm

②②: Bandwidth

05 - 0.5 G

20 - 2.0 G

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μ m bare fiber

L - 900 μ m loose tube

T - 900 μ m tight buffer

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Package Type

1 - TO-46 package

2 - Mini size package