



Fiber Pigtailed Photodiode (FPPD)

Rev 11G

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.

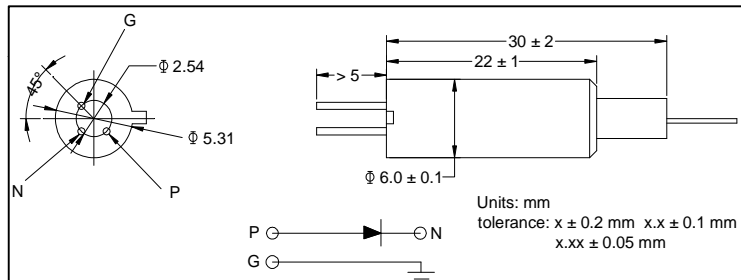
Specifications

Parameter	Unit	Value	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		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

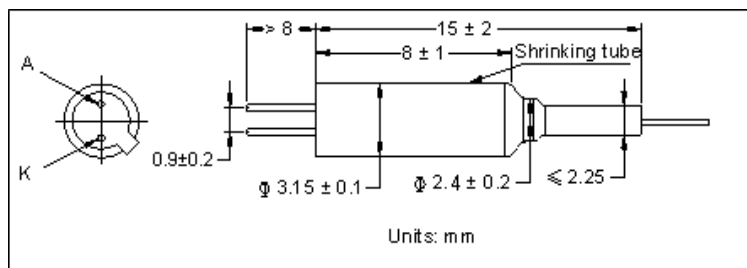
*RL is 5 dB lower for each connector added.

Package Dimensions

TO-46 package



Mini Size Package



Ordering Information

FPPD-①①-②②-③③-④④-⑤⑤-⑥⑥

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

②②: Bandwidth
05 - 0.5 G
20 - 2.0 G

③③: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④④: Fiber Jacket
B - 250 μ m bare fiber

⑤⑤: Fiber Length
1 - 1.0 m
S - Specify

⑥⑥: Package Type
1 - TO-46 package
2 - Mini size package