



Fiber Pigtailed Photodiode (FPPD)

Rev 11

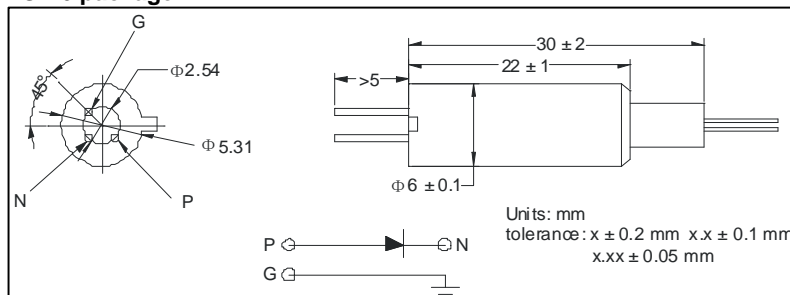
The Fiber Pigtailed Photodiode is a coaxial package photoelectrical component. It features high responsivity, low dark current and good temperature performance over a wide wavelength range. It can be applied for channel power monitoring in DWDM system, in-line optical network switching/protection monitoring(OLP), 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	40
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

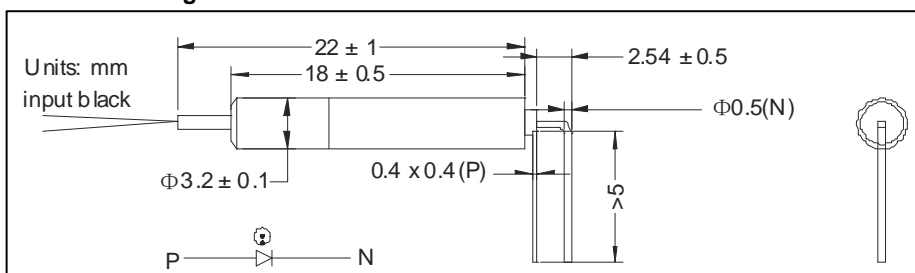
Package Dimensions

TO-46 package



Center Wavelength (nm)	1310	1550
Responsivity (A/W)	0.8	0.95
Dark Current (Standard Leakage)	0.6 nA	
Dark Current (Low Leakage)	0.08 nA	
Bandwidth	2.0 G	
Package Dimensions	$\Phi 5.6 \times 19.6$ mm	

Mini Size Package



Ordering Information

FPPD-①①-②-③-④-⑤-⑥

①①: Center Wavelength 55 - 1550 nm 31 - 1310 nm	②: Bandwidth 1 - 0.5 G Bandwidth 2 - 2.0 G Bandwidth	③: Connector Type 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC	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	N - None S - Specify	