



Fiber Pigtail Photodiode (FPPD)

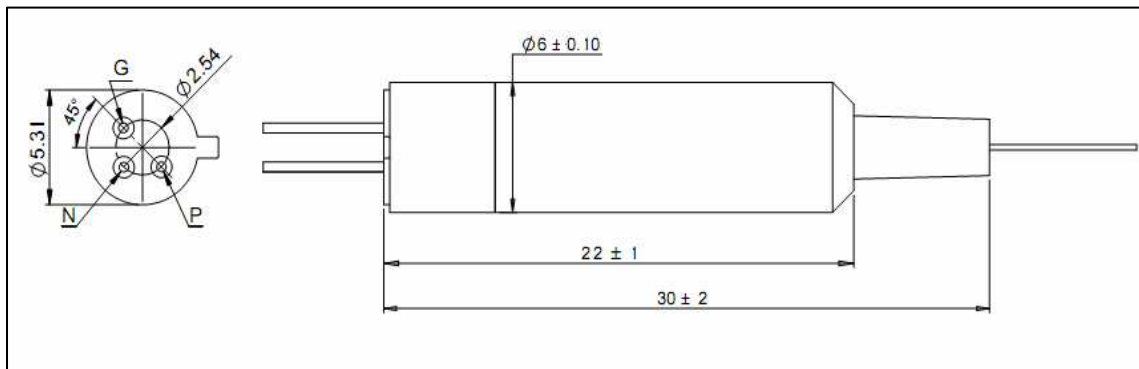
Rev 10

AFR's 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 apply for channel power monitoring in DWDM system, in-line optical network switching/protection monitoring (OLP), reconfigurable 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	nm	$\lambda_c \pm 50$ nm	
Responsivity	A/W	0.8	0.9
Min. Return Loss (exclude connector)	dB	40	
Dark Current (@ 70 °C, -5 V bias)	0.5 G Bandwidth	8	
	2.0 G Bandwidth	2	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	
Soldering Temperature (Over 2 mm from head, less 5 s)	°C	≤ 260	

Package Dimensions



Ordering Information

FPPD-①①-②-③-④-⑤-⑥-⑦

①①: Center Wavelength

55 - 1550 nm

31 - 1310 nm

②: Bandwidth

1 - 0.5 G

2 - 2 G

③: Package Type

1 - TO - 46 package

④: Fiber Type

1 - SMF-28 fiber

S - Specify

⑤: Fiber Jacket

B - 250 um Bare fiber

L - 900 um Loose tube

T - 900 um Tight buffer

⑥: Fiber Length

1 - 1.0 m

5 - 1.5 m

S - Specify

⑦: Connector type

1 - FC/UPC

2 - FC/APC

3 - SC/APC

4 - SC/UPC

N - None