

2000nm Fiber Pigtailed PhotoDiode

FEATURES

- ☑ High Responsivity
- ☑ Low Dark Current
- ☑ Wide Passband
- ☑ High Stability and Reliability
- ☑ Epoxy Free Optical Path

APPLICATIONS

- ☑ Optical Amplifier
- ☑ Optical Networks
- ☑ Power Monitoring
- ☑ Fiber Sensor
- ☑ Lab

SPECIFICATIONS

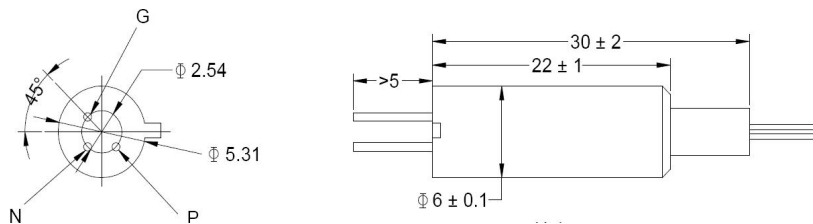
Parameter	Unit	Value
Center Wavelength	nm	1900, 1950, 2000, 2050
Bandwidth	nm	+/-20
Responsivity	A/W	≥0.80
Return Loss	dB	≥40
Max Reverse Voltage (V _R)	V	1
Typical Bandwidth (R _L =50Ω, V _R =0V)	MHz	90
Max. Dark Current (V _R =0.5V, 70°C)	μA	1
Max. Capacitance (V _R =0V, f=1MHz)	pF	50
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
Max. Optical Power on PD (CW)	mW	4
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Soldering Temperature	°C	≤260 (<5s, over 2mm from head)

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, RL is 5dB lower.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

PFPD-	NNNN	-	(C)	C	NN	-	CC/CCC
	Wavelength		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	1900=1900nm		V= SM1950 Fiber	B= Bare fiber	05=0.5m		N=Without Connector
	1950=1950nm		O=10/130 DC Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
	2000=2000nm		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
	2050=2050nm		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector