

2000nm Fiber Pigtailed PhotoDiode for Pulse Power

FEATURES

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

APPLICATIONS

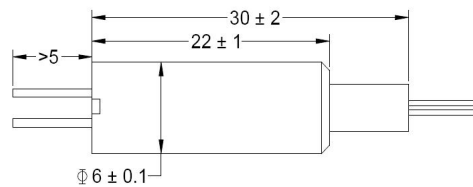
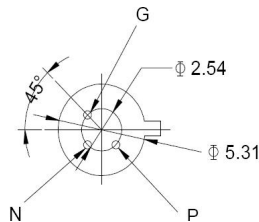
- ☑ Optical Amplifier
- ☑ Optical Networks
- ☑ Power Monitoring
- ☑ Fiber Sensor
- ☑ Lab

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	mW	4
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 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	-H004P	NN	-	(C)	C	NN	-	CC/CCC
<i>Wavelength</i>	<i>Peak Power</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>				
1900=1900nm	01=100W	V= SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector				
1950=1950nm	1= 1kW	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector				
2000=2000nm	5= 5kW	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector				
2050=2050nm	10=10kW	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector				