

1020-1150nm 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	1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
Bandwidth	nm	+/-15
Responsivity	A/W	≥0.35
Return Loss	dB	≥40
Dark Current (70°C, 5V Bias)	nA	≤10
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
Max. Optical Power on PD	mW	10
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Soldering Temperature	°C	≤260 (<5s, over 2mm from head)
Absolute Max Reverse Voltage	V	20

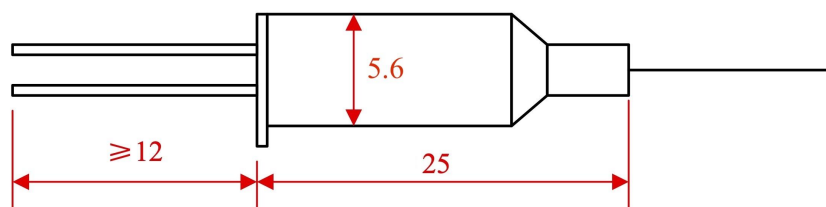
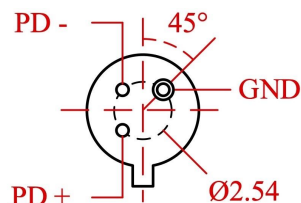
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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	-	NN	C	-H001P	NN	-	(C)	C	NN	-	CC/CCC
Wavelength		Bandwidth		Package		Peak Power	Fiber Type	Fiber Sleeve		Fiber Length	Connector Type
1030-1030nm		20-2G		S-Standard		01-100W	E-10/125 SC Fiber	B- Bare fiber		05-0.5m	N-Without Connector
1064-1064nm		05-0.5G				1-1kW	Q-20/130 DC Fiber	L- Loose Tube		10-1.0m	FC/APC-FC/APC Connector
1092-1092nm						5-5kW	R-25/250 DC Fiber	2- 2mm Cable		15-1.5m	LC/PC-LC/PC Connector
1120-1120nm						10-10kW	Blank for HI1060 Fiber	3- 3mm Cable		20-2.0m	SC/UPC-SC/UPC Connector

