

## 1020-1120nm 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

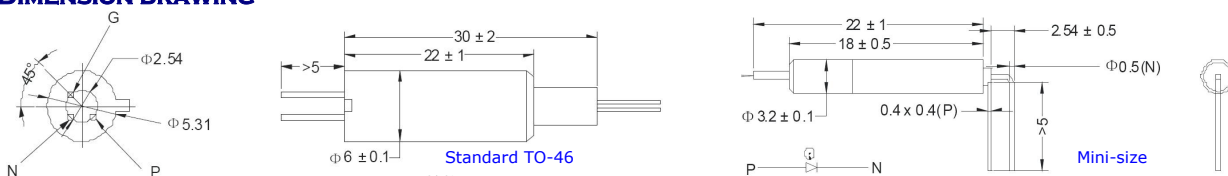
Parameter	Unit	Value
Center Wavelength	nm	1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
Bandwidth	nm	+/-15
Responsivity	A/W	≥0.35
Return Loss	dB	≥40
Dark Current (70°C, 5V Bias)	nA	≤10
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
Max. Optical Power on PD (CW)	mW	10
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. 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	-	(C)	C	NN	-	CC/CCC
Wavelength		Bandwidth	Package		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
1030-1030nm		20-2G	S-Standard		E=10/125 SC Fiber	B= Bare fiber	05=0.5m		N=Without Connector
1064-1064nm		05-0.5G	M=Mini-size		Q=20/130 DC Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
1092-1092nm					R=25/250 DC Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
1120-1120nm					Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector