

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	1310, 1480, 1550, 1590, 1310&1550
Bandwidth	nm	+/-30
Responsivity	@1310nm	≥0.75
	@1550nm	≥0.8
Return Loss	dB	≥40
Dark Current (V _R =5V, 70°C)	Bandwidth=2G	≤2.5
	Bandwidth=0.5G	≤10
Capacitance (V _R =5V, 1MHz)	Bandwidth=2G	≤1
	Bandwidth=0.5G	≤8
Fiber Type	SM Fiber	SMF-28 Fiber or 10/130um DC Fiber (O)
		12/130um DC Fiber (T) or 20/130um DC Fiber (Q)
		25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	PM Fiber	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O)
		12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)
		25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
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	0~70
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.

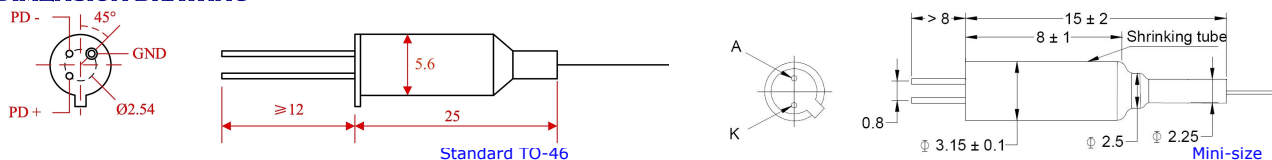
2. To add connectors, RL is 5dB lower.

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	(C)-H001P	NN	-	(C)	C	NN	-CC/CCC
Wavelength		Bandwidth	Package	Fiber Type	Peak Power		Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1550=1550nm		20=2G	S=Standard	P=PM Fiber	01=100W		0=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1310=1310nm		05=0.5G	M=Mini-size	Blank for SM Fiber	1=1kW		T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1590=1590nm					5=5kW		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1315=1310&1550nm					10=10kW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

