

Fiber Pigtailed PhotoDiode for Pulse Power

FEATURES

- High Responsivity
- Low Dark Current
- High Stability and Reliability

APPLICATIONS

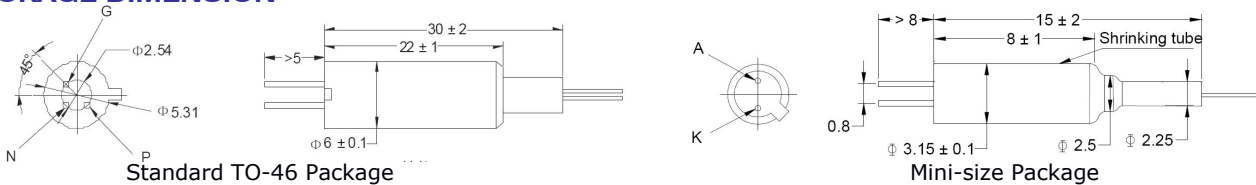
- Optical Amplifier
- Power Monitoring
- Fiber Sensor

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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.

PACKAGE DIMENSION



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=10/130DC or 10/125PMDC 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=12/130DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1590=1590nm				5= 5kW	G=25/300 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
1315=1310&1550nm				10=10kW	Blank for SMF-28 Fiber or PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	