



The PD detector is internally packaged with high performance InGaAs/InP PIN photodiode. Based on its special optical design, the product has the advantages of high responsiveness, low dark current and high reliability. Due to its compact structure and small volume, it is easy to be integrated in high-density optical fiber communication systems.

Features

- Compact structure
- High degree of response
- Low dark current

Application

- Power monitoring
- Fiber amplifier
- WDM transmission system



Performance indicators

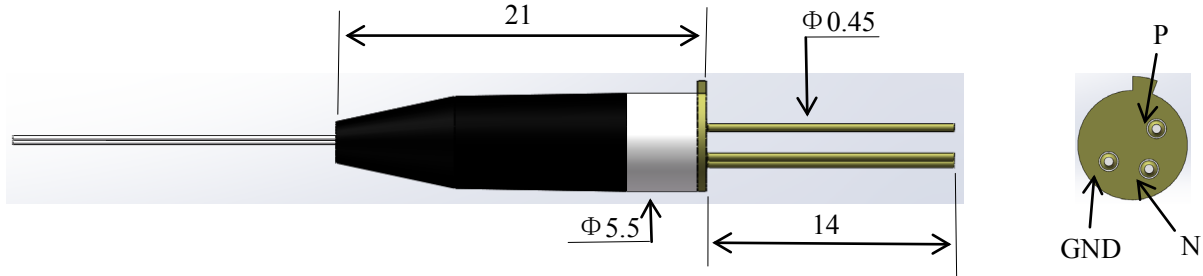
Parameter	Unit	Value
Operating Wavelength	nm	1250~1650
Responsivity (Dual fiber)	mA/m	≥ 0.85
Dark Current	nA	≤ 1.0 (@25°C, 5V)
Forward Current	mA	≤ 10
Reverse Voltage	V	≤ 5
Capacitance	pF	≤ 6 ($V_r=5V$, $f=1MHz$)
Return Loss	dB	≥ 45
Polarization Dependent	dB	≤ 0.15
Polarization Mode	ps	≤ 0.1
Temperature Dependent	%	± 5 (@Responsivity)
Fiber Type	/	G657A1/A2/B3 or with 0.9mm Loose tube
Operating Temperature	°C	-5~+70
Storage temperature	°C	-40~+85

Remark: 1. The reliability test conformed the Telcordia GR-1221-CORE.
2. Specifications without connector.

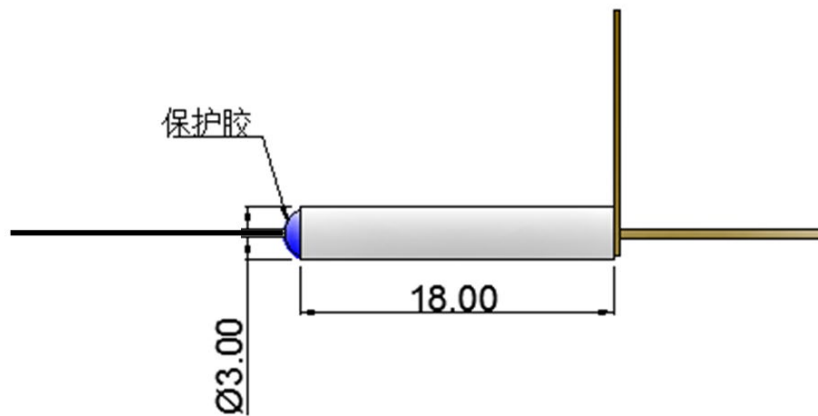


Size (mm)

P1:Regular size



P2:MINI size



Order information: HC - PD-A-B-C-D-E-

A	B	C	D	E
Package size	Working wavelength	Optical fiber type	Fiber length	Connect the head
N:Φ5.5×21	1310: 1310nm	25 : Ø0.25mm	05: 0.5m	00: None
M:Φ3.0×18	1550: 1550nm	90 : Ø0.9mm	10: 1.0m	FP: FC/UPC
X : other	1315: 1310/1550nm	X : other	15: 1.5m	FA: FC/APC
	X : other		X: other	SP: SC/UPC
				SA: SC/APC
				LP: LC/UPC
				LA: LC/APC
				X: other