

## 2000nm Fiber Pigtailed High Power PM Tap PhotoDiode

### FEATURES

- High Responsivity
- Low Dark Current
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

### APPLICATIONS

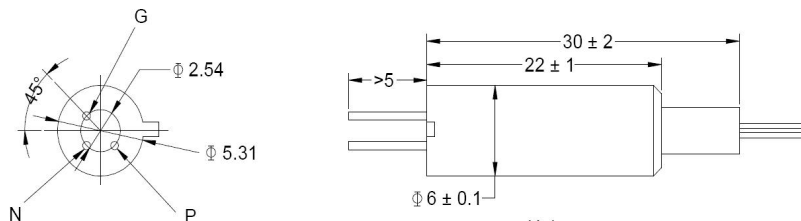
- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1900, 1950, 2000, 2050	
Bandwidth	nm	+/-20	
Tap Ratio	%	40dB, 30dB, 1±0.5%, 2±0.6%, 5±1%, 10%, 20%, 30%, 40%, 50%	
Excess Loss	dB	≤1.0	
Responsivity@tapped power	mA/W	≥800	
Return Loss	dB	≥40	
Extinction Ratio	dB	≥20	
Rise/Fall Time (RL=50Ω, 1V)	ns	23	
Bandwidth (RL=50Ω, 1V)	MHz	15	
Dark Current (1V Bias)	μA	≤75	
Capacitance (1V)	pF	200	
Work Mode	Standard	-	Tap Power at Both Input&Output Port
	U Type	-	Tap Power only at Input Port
Isolation (Output->PD, Only for U Type)	dB	≥25	
Fiber Type		-	SMF-28 Fiber or SM1950 Fiber (V)
		-	10/130um DC Fiber (O) or 25/250um DC Fiber (R)
Max. Optical Power on PD (CW)	mW	10	
Max. Optical Power (CW)	W	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, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  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)

**PTPP-NNNN - NN (C) -HP NN - C C NN - CC/CCC**

Wavelength	Tap Ratio	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	01-1%	U-U Type	1-1W	2-PM1550Fiber	B- Bare fiber	05-0.5m	N-Without Connector
1950-1950nm	05-5%	Blank for Standard	5-5W	V-PM1950 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
2000-2000nm	10-10%		10-10W	O-10/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
2050-2050nm	30-30%		20-20W	R-25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector