

## Fiber Pigtailed High Power Tap PhotoDiode

### FEATURES

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

### APPLICATIONS

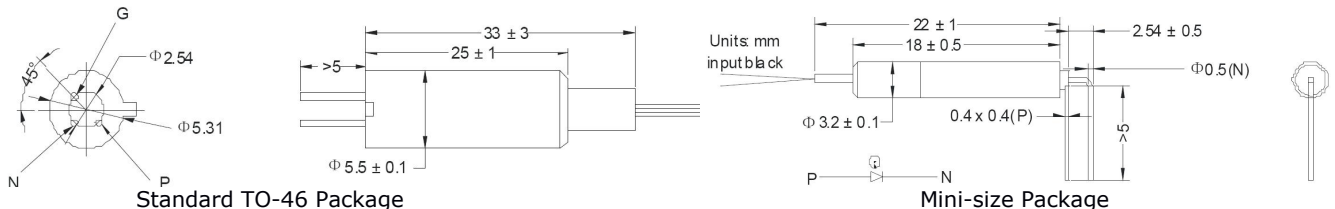
- Optical Networks
- Power Monitoring
- Fiber Sensor

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1480, 1550, 1590, 1310&1550	
Bandwidth	nm	+/-30	
Tap Ratio	%	0.01%, 0.1%, 1±0.5%, 2±0.6%, 5±1%, 10%, 20%, 30%, 40%, 50%	
Excess Loss	dB	≤0.8	
Responsivity@tapped power	mA/W	≥750	
Return Loss	dB	≥40	
Dark Current (V <sub>R</sub> =5V, 70°C)	Bandwidth=2G	≤2.5	
	Bandwidth=0.5G	≤10	
Capacitance (V <sub>R</sub> =5V, 1MHz)	Bandwidth=2G	≤1	
	Bandwidth=0.5G	≤8	
Work Mode	Standard	-	Backward Light may leak to PD
	U Type	-	Isolate Backward Light to PD
Isolation (Output->PD, Only for U Type)	dB	≥25	
Fiber Type	-	-	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)
Max. Optical Power on PD (CW)	mW	10	
Max. Optical Power (CW)	W	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, IL is 0.3dB higher, 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)

Wavelength	Tap Ratio	Bandwidth	Type	Package	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1550-1550nm	01- 1%	20- 2G	U-U Type	S-Standard	1- 1W	O=10/130 DC Fiber	B= Bare fiber	05-0.5m	N=Without Connector
1310-1310nm	05-5%	05-0.5G	Blank for Standard	M=Mini-size	5- 5W	T=12/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1590-1590nm	10-10%				10-10W	G=25/300 DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1315-1310&1550nm	30-30%				20-20W	Blank for SMF-28 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

