

## Fiber Pigtailed Tap PhotoDiode

### FEATURES

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

### APPLICATIONS

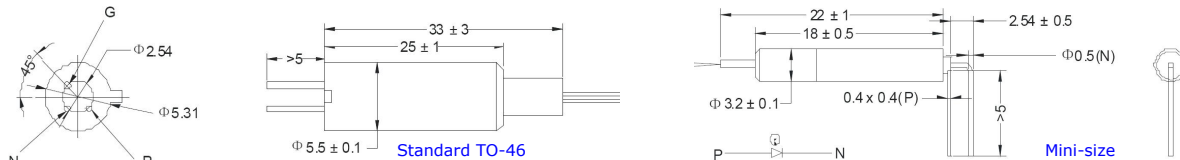
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1480, 1550, 1590, 1310&1550	
Bandwidth	nm	+/-30	
Tap Ratio	%	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	-	Light from Output Port may goes to PD
	U Type	-	Isolate Light from Output Port 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)	mW	300	
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, IL is 0.3dB higher, RL is 5dB lower.
  3. 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)

Wavelength	Tap Ratio	Bandwidth	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1550=1550nm	01=1%	20=2G	U=U Type	S=Standard	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	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1590=1590nm	10=10%				G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1315=1310&1550nm	30=30%				Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

