

## 1020~1150nm Fiber Pigtailed Tap PhotoDiode for Pulse Power

### 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	1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150	
Bandwidth	nm	+/-15	
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	≥350	
Return Loss	dB	≥40	
Dark Current (V <sub>R</sub> =5V, 70°C)	nA	≤10	
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	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
Max. Optical Power on PD (CW)	mW	10	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse	kW	0.1, 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.

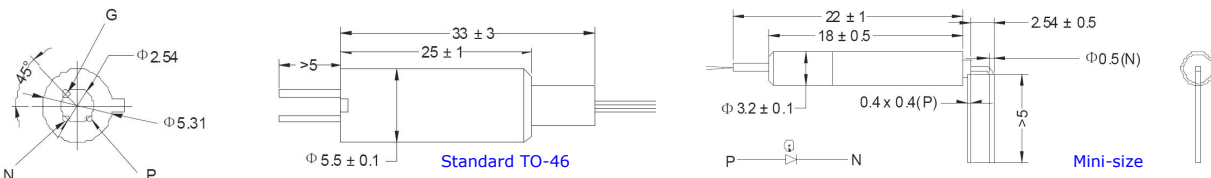
2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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)

Wavelength	Tap Ratio	Bandwidth	Type	Package	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	01=1%	20=2G	U=U Type	S=Standard	03=300mW	01=100W	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1064-1064nm	05=5%	05=0.5G	Blank for Standard	M=Mini-size	1=1W	1=1kW	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1092-1092nm	10=10%				5=5W	5=5kW	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120-1120nm	30=30%				10=10W	10=10kW	Blank for HI1060 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

