

460~690nm Fiber Pigtailed Tap PhotoDiode

FEATURES

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

APPLICATIONS

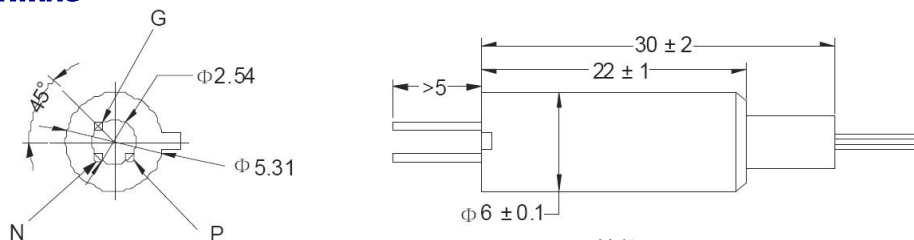
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	460, 488, 520, 532	635, 650, 660, 690
Bandwidth	nm	+/-5	
Tap Ratio	%	1±0.5%, 2±0.6%, 5±1%, 10%, 20%, 30%, 40%, 50%	
Excess Loss	dB	≤2.2	
Responsivity@tapped power	mA/W	≥200	
Return Loss	dB	≥40	
Cutoff Frequency	GHz	0.4	
Dark Current (23°C, 5V Bias)	nA	≤5	
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	-	460-HP Fiber	630-HP Fiber
Max. Optical Power on PD (CW)	mW	10	
Max. Optical Power (CW)	mW	100	
Operating Temperature	°C	25~45	
Storage Temperature	°C	-20~70	
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 1.0dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

PTPD- NNN	-	NN	(C)	-	C	NN	- CC/CCC
<i>Wavelength</i>		<i>Tap Ratio</i>	<i>Type</i>		<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
488-488nm		01-1%	U-U Type		B- Bare fiber	05-0.5m	N-Without Connector
532-532nm		05-5%	Blank for Standard		L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
635-635nm		10-10%			2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
650-650nm		30-30%			3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector