

## 460~690nm Fiber Pigtailed PM Tap PhotoDiode

### FEATURES

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

### APPLICATIONS

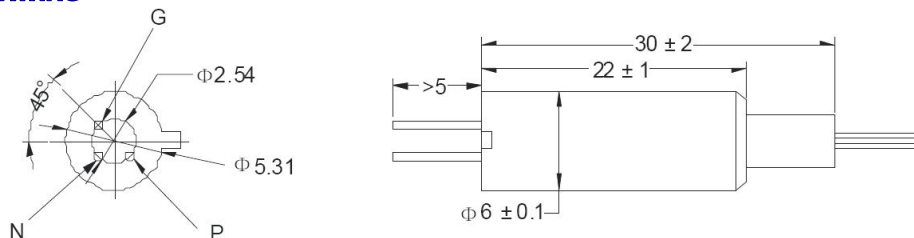
- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	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	
Extinction Ratio	dB	≥18	
Cutoff Frequency	GHz	0.4	
Dark Current (23°C, 5V Bias)	nA	≤5	
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	-	PM460-HP Fiber	PM630-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)

PTPP- <b>NNN</b>	- <b>NN</b>	( <b>C</b> )	- <b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Wavelength	Tap Ratio	Type	Fiber Sleeve	Fiber Length	Connector Type
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