

## 1020~1150nm Fiber Pigtailed High Power PM Tap PD

### FEATURES

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

### APPLICATIONS

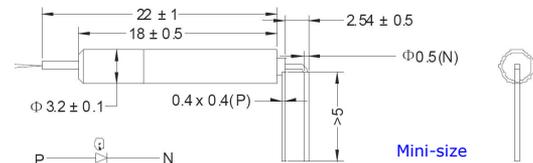
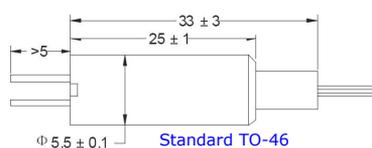
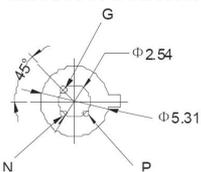
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab

### 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	
Extinction Ratio	dB	≥20	
Dark Current (V <sub>R</sub> =5V, 70°C)	nA	≤10	
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	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
		10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
		20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Max. Optical Power on PD (CW)	mW	10	
Max. Optical Power (CW)	W	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:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis
  - 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.

### DIMENSION DRAWING



### ORDERING INFORMATION (PN)

PTPP-NNNN	- NN	NN	(C)	C	-HPNN	- C	C	NN	- CC/CCC
Wavelength	Tap Ratio	Bandwidth	Type	Package	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030=1030nm	01=1%	20=2G	U=U Type	S=Standard	1=1W	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1064=1064nm	05=5%	05=0.5G	Blank for Standard	M=Mini-size	5=5W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1092=1092nm	10=10%				10=10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120=1120nm	30=30%				20=20W	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

