

1020~1150nm Fiber Pigtailed PM Tap PhotoDiode

FEATURES

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

APPLICATIONS

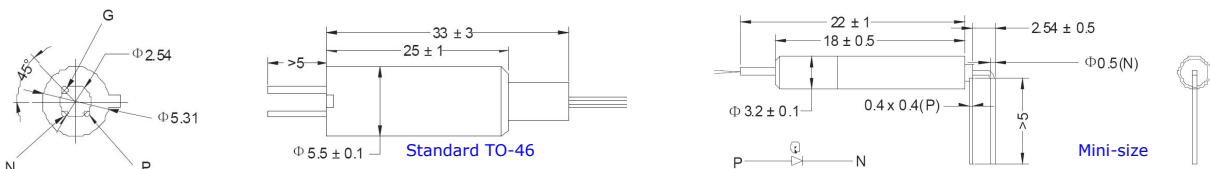
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150	
Bandwidth	nm	+/-15	
Tap Ratio	%	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 _R =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)	mW	300	
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. 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	-	C	C	NN	- CC/CCC
Wavelength	Tap Ratio	Bandwidth	Type	Package		Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	01-1%	20-2G	U-U Type	S-Standard		2-PM980Fiber	B- Bare fiber	05-0.5m	N-Without Connector
1064-1064nm	05-5%	05-0.5G	Blank for Standard	M-Mini-size		E-PM1060L Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
1092-1092nm	10-10%					Q-20/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
1120-1120nm	30-30%					R-25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector