

Polarization Maintaining Bi-directional Tap Power Detector

Model #: PMTAPD at 1064 nm

Description: Polarization Maintaining Bi-directional Tap Power Detector

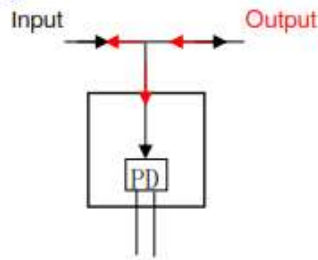
Application: test and measurement, fiber laser and amplifier monitoring

Specifications:

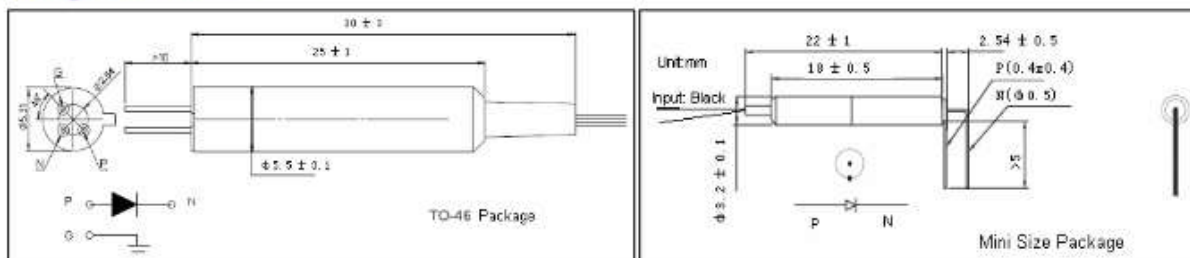
Parameter	Unit	Specifications
Central Wavelength (λ_c)	nm	1064
Max. Insertion Loss (5%)	dB	0.8
Min. Polarization Extinction Ratio	dB	20
Min. Return Loss	dB	45
Responsivity (5%)	mA/W	21
Max. Responsivity Temperature Dependence (λ_c)	dB	0.3
Max. Responsivity Polarization Dependence	dB	0.1
Max. Dark Current (70°C, -5V bias)	nA	10
Max. Power on Photodiode	mW	10
Max. Soldering Temperature (over 2 mm from head, less than 5 seconds)	°C	260
Operating Temperature	°C	0 to +70
Storage Temperature	°C	-40 to + 85
Fiber Type		Fujikura PM 980 Fiber

Note: each connector may contribute extra 0.5 dB IL, 2 dB PER and 5 dB RL lower.

Function Diagram



Package Dimensions



Ordering Information: PMTAPD-AA-BB-C-D-E-F

AA: central wavelength	BB: tap ratio	C: connector type	D: fiber jacket	E: fiber length	F – package type
06 – 1064 nm	05 – 5%	1 - FC/UPC	B – 250 μ m Panda fiber	Q – 0.75 m	1 – TO-46 package
		2 - FC/APC	L – 900 μ m loose tube	X - other	2 – mini size package
		3 - SC/UPC	X - other		
		4 - SC/APC			
		N - none			
		X - other			