

Integrated Unidirectional Fiber Pigtailed Tap and Photodiode

Model #: UFPTD

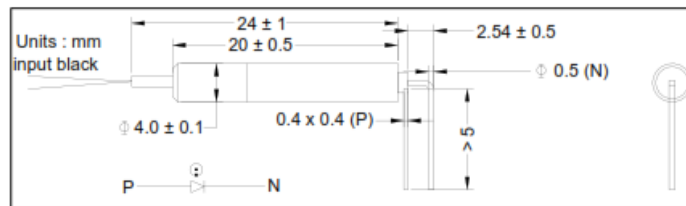
Description: Integrated unidirectional fiber pigtailed tap and photodiode

Application: test and measurement, optical network monitoring, ADOM

Specifications:

Parameter	Unit	Specifications	
Operating Wavelength Range (λ_{op})	nm	1520 ~ 1610	
Max. Insertion Loss	1%	dB	0.4
	2%	dB	0.5
	5%	dB	0.6
Max. Wavelength Flatness	dB	0.15	
Max. Polarization Dependent Loss	dB	0.05	
Min. Return Loss	dB	45	
Responsivity	1%	mA/W	7 - 15
	2%		14 - 25
	5%		35 - 65
Min. Directivity from Output to PD	dB	25	
Max. Responsivity Polarization Dependence	dB	0.1	
Max. Dark Current (70°C, -5V bias)	nA	2	
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		SMF-28 fiber	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



Ordering Information:

UFPTD-A-BB-CC-D-E-F-G

A: wavelength	BB: tap ratio	CC: bandwidth	D: package type	EE: fiber type	F: fiber length	G: connector type
E – 1520 – 1610 nm	01 – 1%	20 – 2.0 G	2 – mini size package	28 – SMF-28	1 – 1.0 m	1 - FC/UPC
	02 – 2%				X - other	2 - FC/APC
	05 – 5%					3 - SC/UPC
						4 - SC/APC
						N - none
						X - other