

Integrated Tap Photo Detector with PMF PM-IPD

The IPD is an optical power monitoring device consisting of individual tap-integrated photo detectors. Our PM-IPD is manufactured with PMF (Polarization Maintaining Fiber) and it is very compact and is easily mounted on a PCB for system use. Optical properties are excellent and include a broad wavelength range covering C and L-band with low insertion loss and high sensitivity.



features

- ▶ Excellent Characteristics
- ▶ High Polarization Extinction Ratio
- ▶ Telcordia GR - 468 Qualified
- ▶ RoHS Compliant

Specifications

Parameter	Unit		Type				Note
			S1	S3	S5	S9	
Tap ratio	Typ.	%	1	3	5	10	-
Insertion loss	Max.	dB	0.7	0.7	0.8	1.0	w/o connectors
Polarization Extinction Ratio	Min.	dB	20				All operating conditions
Return Loss	Min.	dB	45				-
PD Responsivity	-	mA/W	8 to 20	20 to 40	40 to 70	70 to 120	All operating conditions, 5V Bias
Dark Current	Max.	nA	5				70degC, 5V Bias
Reverse Voltage	Max.	V	10				-
Forward Current	Max.	mA	5				-
Wavelength Range	-	nm	1510 to 1610				-
Storage Temperature Range	-	degC	-40 to 85				Non condensation
Operating Temperature Range	-	degC	0 to 70				Non condensation
Input Optical Power	Max.	dBm	+23	+18	+16	+13	-
Fiber Type	-	-	PMF				Fiber length : 1.0+/-0.1m

www.santec.com/en/

2023© Santec AOC corporation santec reserves the right to make changes in equipment design, components or specifications without notice.



Santec Japan Corporation
5823 Ohkusa-Nenjozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-3536 Fax +81-568-79-1718

Santec USA Corporation
400 Kelby Street Suite 1501, Fort Lee, NJ 07024, USA Toll Free +1-800-726-8321(santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

Santec Europe Ltd.
99 Park Drive Milton Park, Abingdon Oxfordshire, OX14 4RY, U.K. Tel. +44-20-3176-1550

Santec (Shanghai) Co., Ltd.
21F Room H, Hua Du Bldg., No.838 Zhangyang Road, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, Fax: +86-21-58361263