

## 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 sensitivity	-	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

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