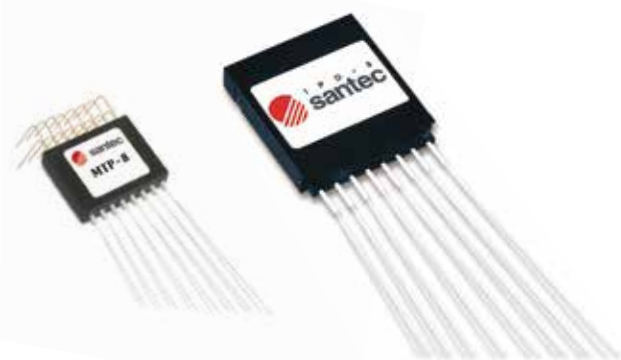


Miniature Tap Photodetector MTP-8/10

The MTP devices are miniaturized tap-integrated photo detectors. They achieve 60% reduction of footprint and 75% of the volume, compared to a standard IPD (Integrated Photo Detector), while maintaining high performance and high reliability.

Our MTP series is excellent for high-density integration in next generation optical network systems.

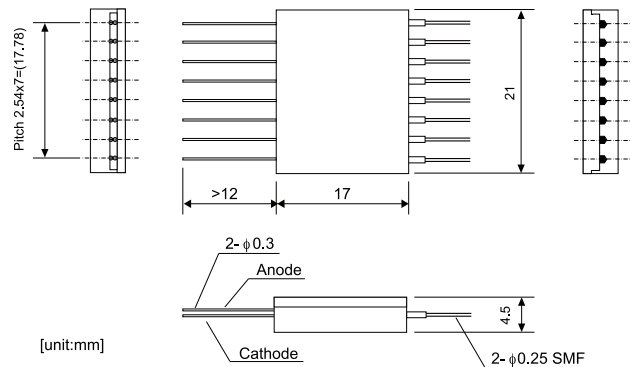


Features

- ▶ World's Smallest Size
- ▶ Excellent Characteristics
- ▶ Telcordia GR-468 Qualified
- ▶ RoHS Compliant
- ▶ Pin Bending is available
- ▶ Minimum Fiber Bending Radius of 5mm is available

Specifications

Dimensions



Parameter	Unit		Type					Note
			S1	S2	S3	S5	S9	
Tap ratio	Typ.	%	1	2	3	5	10	-
Insertion Loss	Max.	dB	0.5	0.5	0.5	0.6	0.8	w/o connectors
Return Loss	Min.	dB	45					-
PD Sensitivity	-	mA/W	8-20	14-24	20-40	40-70	70-120	All operating conditions, 5V Bias
Dark Current	Max.	nA	5					70 deg C, 5V Bias
Reverse Voltage	Max.	V	10					-
Forward Current	Max.	mA	5					-
Wavelength Range	-	nm	1510 to 1610					-
Storage Temperature	-	degC	-40 to 85					Non-condensation
Operating Temperature	-	degC	0 to 70					Non-condensation
Input Optical Power	Max.	dBm	+23	+20	+18	+16	+13	-
Fiber	Min.	mm	1000+/-100					0.25mm coated SMF
Dimension (WxDxH)	-	mm	21x17x4.5					-

www.santec.com E-Mail : sales@santec.com

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SANTEC CORPORATION
5823 Ohkusa-Nenjyozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-1959 Fax +81-568-79-1718

SANTEC U.S.A. CORPORATION
433 Hackensack Ave., Hackensack, NJ 07601, U.S.A. Toll Free +1-800-726-8321(santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

SANTEC EUROPE LIMITED
1 Lyric Square, London, W6 0NB, U.K. Tel. +44-20-3542-7851

SANTEC (SHANGHAI) Co., Ltd.
11F Room E, Hua Du Bldg., No.838 Zhangyang Road, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263