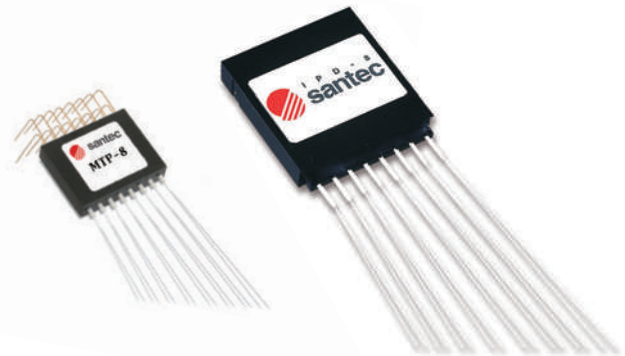


Miniature Tap Photodetector MTP-8/10

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.

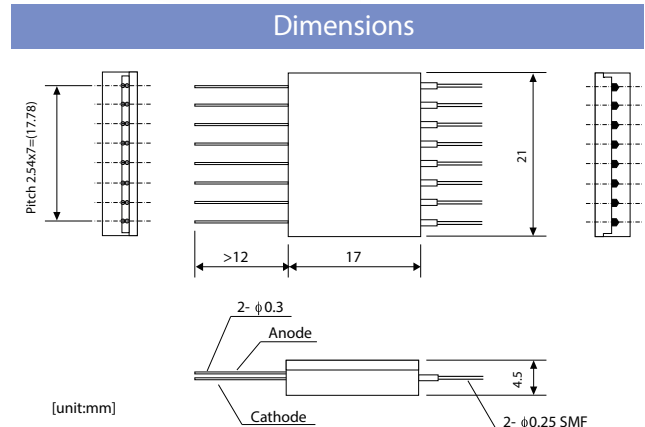
Our MTP series is excellent for high-density integration in next generation optical network systems.



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



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 Responsivity	-	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/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