

Miniature Tap Photodetector MTP-8

The MTP series is a miniaturized tap-integrated photo detector array. (MTP-8 – eight channel array) Santec has realized significant size reduction of standard IPD (Integrated Photo Detector) series while maintaining high performance and reliability. The MTP series is suitable for the high-density integration for next generation optical network systems.

Features

- ▶ Ultra Compact Design
Fiber In/Out is one side
- ▶ High Quality (GR-468-CORE)
Established technology
- ▶ High efficiency
Specification is as in the past
- ▶ Low cost by simple design



Conventional **New**

Foot Print : 1/2.5
Volume : 1/5

Specifications

Parameter	Unit		Type				Note
			S1	S3	S5	S9	
Tap ratio	Typ.	%	1	3	5	10	
Insertion Loss	Max.	dB	0.5	0.6	0.6	0.8	All operating conditions
Return Loss	Min.	dB					-
PD Sensitivity	-	mA/W	8-20	20-40	40-70	70-120	All operating conditions, 5V bias
Dark Current	Max.	nA	5				70°C, 5V bias
Reverse Voltage	Max.	V	10				Input / Output are PMF
Forward Current	Max.	mA	5				-
Wavelength Range	-	nm	1510-1610				-
Storage Temperature Range	-	°C	40-85				Non-condensation
Operating Temperature Range	-	°C	0-70				Non-condensation
Input Optical Power	Max.	dBm	+23	+18	+16	+13	-
Fiber	Min.	mm	1000				0.25mm coated SMF
Dimension (WxDxH)	-	mm	21.5×17×3				-

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

2007 © SANTEC CORPORATION Santec reserves the right to make changes in equipment design, components or specifications without notice.



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

Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel. +44-1865-784960 Fax +44-1865-784961

SANTEC (SHANGHAI) Co., Ltd.

No.800 Zhangyang Road Changhang Tower, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263