

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.

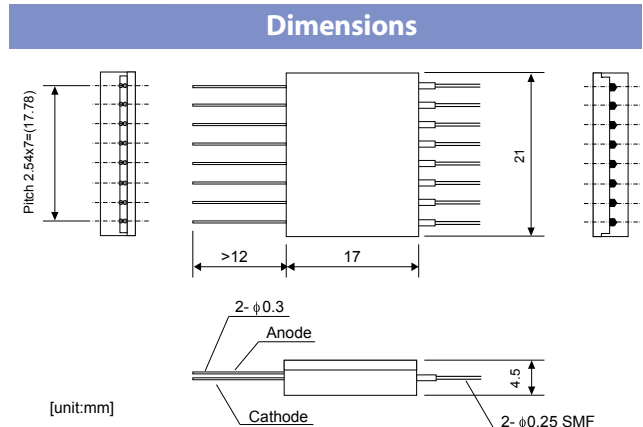
Our MTP series is excellent for high-density integration in next generation optical network systems.



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 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
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