



Single Channel Tap/Photodiode

AC Photonics' TPTD Series Tap/Photodiodes are sensitive at 1310nm and 1550nm bands. They are designed for optical signal power monitoring with superior noise and photoelectric performance.



Features

- Low Insertion Loss and PDL
- Wide Spectral Response
- High Quality and Reliability
- Low Cost

Applications

- Optical Signal Power Monitoring
- Gainand Power Monitoring in EDFA
- OADM
- OXC
- High Speed Test System
- Measurement Instrumentation

Performance Specifications

| Parameter | | Specification | |
|---------------------------------|-------|--|--------------------|
| Operating Wavelength(nm) | | 1310: 1270~1350; 1550: 1510~1590 | |
| | | L-Band: 1570~1610; C+L Band: 1500~1620 | |
| Insertion Loss *(dB) | | Single Window | Dual Window |
| | 1%Tap | ≤0.5 | ≤0.7 |
| | 2%Tap | ≤0.5 | ≤0.7 |
| | 5%Tap | ≤0.6 | ≤0.8 |
| PolarizationDependent Loss (dB) | | ≤0.05 | |
| Return Loss (dB) | | ≥ 45 | |
| PD Responsivity (A/W) | | ≥0.8 | |
| Dark Current(nA)@-5V bias | | ≤1 | |
| PD Linearity | | ± 10% | |
| Operating Temperature (°C) | | -20~+65 | |
| Storage Temperature (°C) | | -40~+85 | |
| Fiber Type | | SMF-28 | |
| Dimensions (mm) | | φ5.5 x28 | |

* Excluding connectors.

Ordering Information

| TPTD | □ □ | □ □ | □ | □ | □ □ |
|------|---|---|--|------------------------------|--|
| | Wavelength | Tap Ratio | Pigtail Style | Fiber Length | In/Out Connector |
| | 15=1550nm 13=1310nm 16 = L-Band 35 = 1310/1550 CL=C+LBand | 01=1/99 02=2/98 05=5/95 . . | 1=250um Bare Fiber 2=900um Jacket 0=Free Space | 1=1m 2=2m 0=Free Space | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC |