



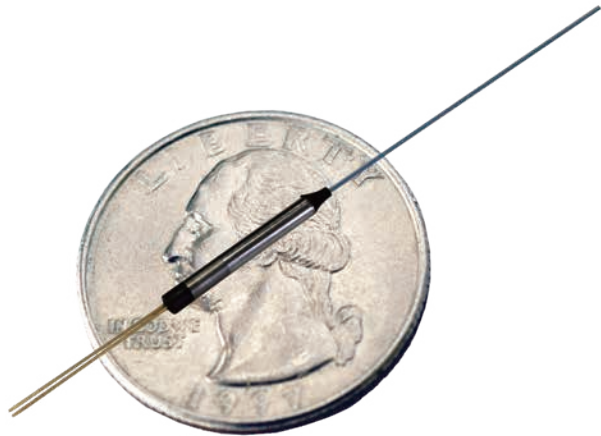
Ultimate Tap Photo Detector

UTP

Product Overview

Santec's UTP is a single high directivity uni-directional tap photodetector and it is the Ultra-Compact size. Santec achieve 78% reduction of the volume, compared to uni-directional MTP-1. It can reduce the module footprint while increasing design capability.

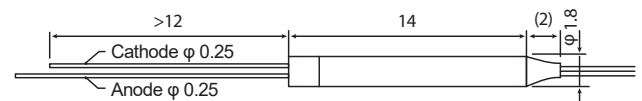
Santec's tap photodetector series are excellent for high-density integration in next generation small form factor packages matching CFP, CFP2 and CFP8.



Features

- Ultra-compact size
- Excellent characteristics
- Telcordia GR-468 qualified
- RoHS compliant
- Pin Bending is available
- Minimum fiber bending radius of 5 mm is available

Dimensions Unit [mm]



Specifications

Parameter	Unit		Type				Notes
			S1	S2	S5	S9	
Tap ratio	Typ.	%	1	2	5	10	-
Insertion loss	Max.	dB	0.6	0.7	1.15	1.7	Without connectors
Return Loss	Min.	dB	45				-
PD Responsivity	-	mA/W	8 to 20	14 to 24	40 to 70	70 to 120	All operating conditions,5 V Bias
Dark Current	Max.	nA	2				75 °C, 5 V Bias
Directivity	Min.	dB	33				-
Wavelength Range	-	nm	1510 to 1610				-
Storage Temperature	-	°C	-40 to 85				Non condensation
Operating Temperature	-	°C	-5 to 75				Non condensation
ESD	Max.	V	250				Human body model
Input Optical Power	Max.	dBm	+24	+21	+17	+14	-
Dimension (WxDxH)	-	mm	1.8(D) x 14(L)				-



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