

NEW

Nano Tap Photo Detector NTP

Santec's NTP is the latest and smallest single high-directivity uni-directional tap photo detector. The size of the NTP is reduced by 50% in volume compared to the UTP-1. NTP allows the customer to reduce the module footprint while increasing the design capability.

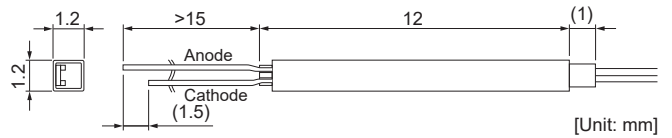
Santec's tap photo detector series are excellent for high-density integration in next-generation small form factor pluggable module and the NTP series will enable the next-generation high-performance pluggable small form factor such as QSFP-DD and OSFP.



Features

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

Dimensions



Specifications

Parameter	Unit		Type		Notes
	Typ.				
Tap ratio	Typ.	%	2	5	-
Insertion loss	Max.	dB	0.5	0.7	without connectors
Return loss	Min.	dB	45		-
PD sensitivity	-	mA/W	14 to 26	40 to 75	all operating conditions, 5V bias
Dark current	Max.	nA	2		75 degC, 5V bias
Directivity	Min.	dB	33		-
Storage temperature	-	degC	-40 to +85		non condensation
Operating temperature	-	degC	-5 to +75		non condensation
Wavelength range	-	nm	1510 to 1610		-
Input optical power	Max.	dBm	+21	+17	-
ESD	Max.	V	250		human body model
Dimensions	-	mm	1.2 square x12 (L)		-

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