

NEW

Isolator-integrated Nano Tap Photo Detector INTP

Santec's INTP is an optical isolator and tap photo detector integrated device. Santec's latest and smallest uni-directional tap photo detector and optical isolator are integrated into one package. While integrating two devices, the size of the INTP remains the same size as the NTP, the smallest tap photo detector. INTP allows the customer to reduce the module footprint while increasing the design capability.

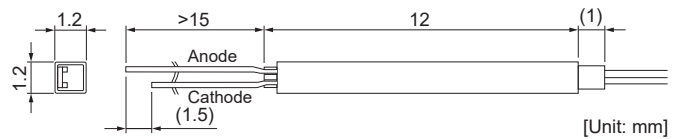
Santec's tap photo detector series are excellent for high-density integration in next-generation small form factor pluggable module, and the INTP series will enable more flexible design of the next-generation high-performance pluggable small form factor such as QSFP-DD and OSFP.



Features

- ▶ Ultra-compact Size
- ▶ Excellent characteristics
- ▶ RoHS compliant
- ▶ Compatible with $\varnothing 0.16$ bare fiber and minimum fiber bending radius of 5 mm

Dimensions



Specifications

Parameter	Unit		Type		Notes
	Typ.	%	2	5	
Tap ratio	Typ.	%	2	5	-
Insertion loss	Max.	dB	1.0	1.2	without connectors
Isolation	Min.	dB	18		25degC
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	25		-
Storage temperature	-	degC	-40 to +85		non condensation
Operating temperature	-	degC	-5 to +75		non condensation
Wavelength range	-	nm	(1527-1569) C-band (1569-1612) L-band		-
ESD	Max.	V	250		human body model
Dimensions	-	mm	1.2 square x12 (L)		-

www.santec.com/en/

2024© Santec AOC corporation santec reserves the right to make changes in equipment design, components or specifications without notice.



Santec Japan Corporation
5823 Ohkusa-Nenjozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-3536 Fax +81-568-79-1718

Santec USA Corporation
400 Kelby Street Suite 1501, Fort Lee, NJ 07024, USA Toll Free +1-800-726-8321(santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

Santec Europe Ltd.
99 Park Drive Milton Park, Abingdon Oxfordshire, OX14 4RY, U.K. Tel. +44-20-3176-1550

Santec (Shanghai) Co., Ltd.
21F Room H, Hua Du Bldg., No.838 Zhangyang Road, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, Fax: +86-21-58361263