



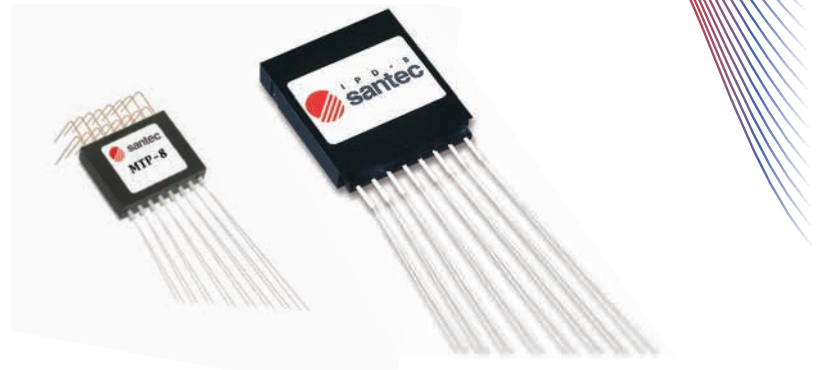
Miniature Tap Photodetector

MTP-1/8/10

Product Overview

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.

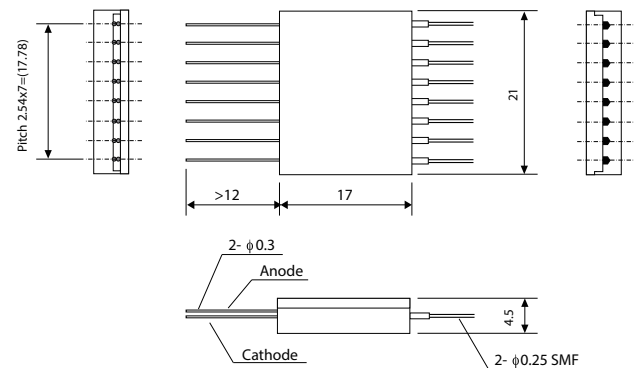
Our MTP series is excellent for high-density integration in next generation optical network systems.



Features

- World's Smallest Size
- Excellent Characteristics
- Telcordia GR-468 Qualified
- RoHS Compliant
- Pin Bending is available
- Minimum Fiber Bending Radius of 5 mm is available

Dimensions Unit [mm]



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	Without connectors
Return Loss	Min.	dB	45					-
PD Responsivity	-	mA/W	8-20	14-24	20-40	40-70	70-120	All operating conditions, 5 V Bias
Dark Current	Max.	nA	5					70 °C, 5 V Bias
Reverse Voltage	Max.	V	10					-
Forward Current	Max.	mA	5					-
Wavelength Range	-	nm	1510 to 1610					-
Storage Temperature	-	°C	-40 to 85					Non condensation
Operating Temperature	-	°C	0 to 70					Non condensation
Input Optical Power	Max.	dBm	+23	+20	+18	+16	+13	-
Fiber	Min.	mm	1000+/-100					0.25 mm coated SMF
Dimension	-	mm	(W)3.2x(L)20					MTP-1
			22x22x4.5					MTP-8
			17x26x4.5					MTP-10



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