

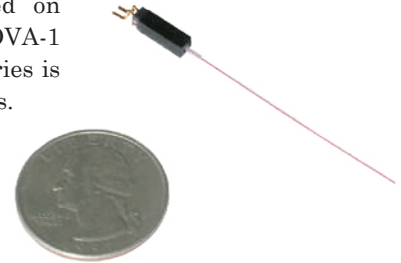
**NEW**

# Compact MEMS Attenuator COVA-1

SANTEC's COVA-1 is the Ultra-Compact optical variable attenuator based on electrostatic MEMS technology. Compared to the current SANTEC MOVA-1, COVA-1 has achieved an 82% reduction in volume ratio. SANTEC's variable attenuator series is excellent for high density integration in next generation small form factor packages.

### Features

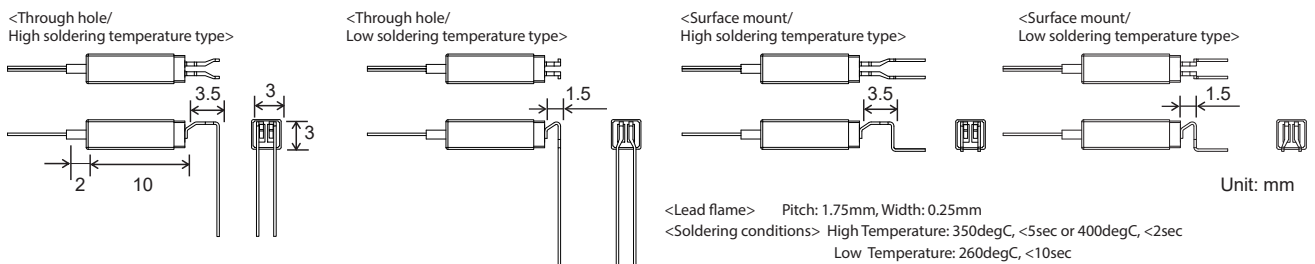
- ▶ Ultra-Compact size
- ▶ Bright / Dark types available
- ▶ Low power consumption
- ▶ Telcordia GR-1221 qualified
- ▶ Shock and vibration resistant design
- ▶ Minimum fiber bending radius of 5 mm



### Specifications

Category	Parameter	Unit	Specification		Notes
			Min.	Max.	
Optical	Attenuation Type	-	Bright or Dark		
	Wavelength		1530	1570	C-band
			1570	1610	L-band
	Insertion Loss	dB		0.8	without connectors
	Attenuation Range	dB	40		
	Polarization Dependent Loss @20dB attenuation	dB		0.4	
	Return Loss	dB	45		
Response Time	ms		3	10-90%	
Electrical	Drive Voltage	V		6.5	
	Power Consumption	mW		1	
Environmen	Operating Temperature	degC	-5	70	<85%RH, Non condensation
	Storage Temperature	degC	-40	85	<85%RH, Non condensation
Mechanical	Package Dimensions	mm	3x3x10		
	Fiber Type	-	Corning ZBL equivalent		

### Dimensions



### Ordering Code

## COVA-1-X-X-XX-XX

- Connector Type 00: no connector / SC: SC-SPC / LC: LC-SPC / MU: MU-SPC
- Lead form type TH: Through hole & High temperature type / TL: Through hole & Low temperature type  
SH: Surface mount & High temperature type / SL: Surface mount & Low temperature type
- Wavelength range C: C-band / L: L-band
- Activation Type B: Bright type / D: Dark type

[www.santec.com/en/](http://www.santec.com/en/)

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**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