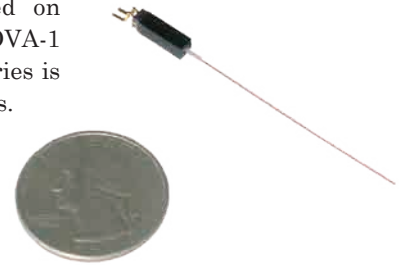


Compact MEMS Attenuator COVA-1

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

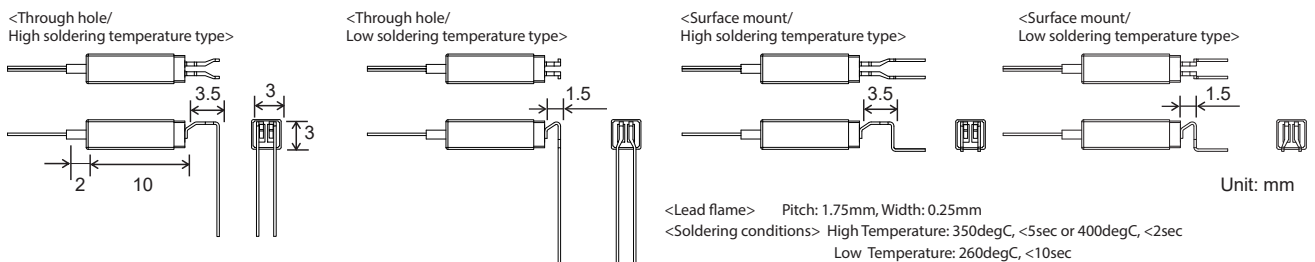
- ▶ Ultra-Compact size
- ▶ Bright / Dark types available
- ▶ Low power consumption
- ▶ Telcordia GR-1221 qualified
- ▶ Shock and vibration resistant design
- ▶ Minimum fiber bending radius of 5 mm



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/

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