

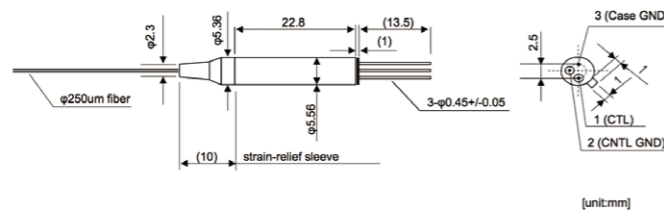
■ Specifications

Parameter	Unit		Spec	Note
Wavelength Range	-	nm	1530 - 1570	C band
	-	nm	1570 - 1610	L band
Insertion Loss	Max.	dB	0.8	Excluding Connectors
Max. Attenuation	Max.	dB	30	Shutter (>40dB) option available
Wavelength Dependent Att.	Max.	dB	0.9	@<20dB Attenuation
Polarization Dependent Att.	Max.	dB	0.3	@<20dB Attenuation
PMD	Max.	psec	0.1	
Response Time	Max.	msec	10	10-90%
Optical Power Handling	Min.	mW	300	
Driving Voltage	Max.	V	20	MOVA-1 (20v Type)
	Max.	V	6.5	MOVA-H-1 (6.5v Type)
Operating Temperature	-	°C	-5 to 70	
Power Consumption	Max.	mW	0.1	MOVA-1
Fiber Length	-	mm	1000±100	0.25mm SMF

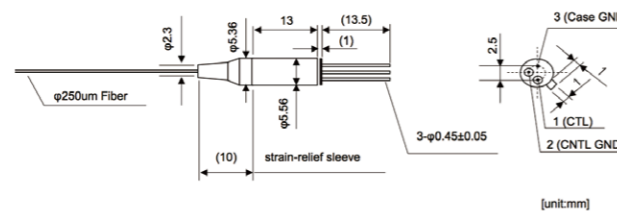
■ Dimensions

MOVA-1/MOVA-H-1

Standard Package



Compact Package



■ Ordering Code

MOVA^{*1}-1-**A**-**B**-**C** / MOVA-H^{*2}-1-**A**-**B**-**C**

- A = Activation Type B : Bright type / D : Dark type
- B = Wavelength range C : C-band / L : L-band
- C = Connector Type 00 : No connector / FS : FC-SPC / FA : FC-APC / SS : SC-SPC /
SA : SC-APC / MU : MU-SPC / MJ : MUJ-SPC / LC : LC-SPC

*1: Compact Package code is "MOVA-C-" *2: Compact Package code is "MOVA-HC-"

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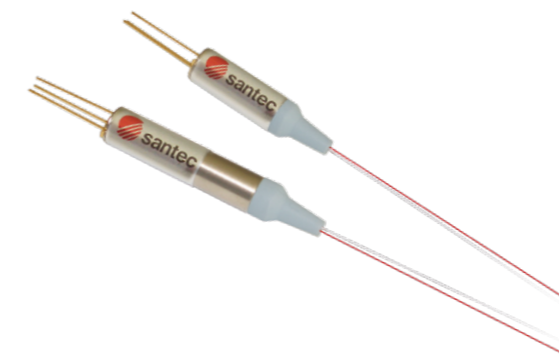
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MOVA_series-C-E / Ver.1.2 CODE-201902-TM-KW-CPY



MOVA Series Product Guide





MEMS VOA (MOVA series) Product Lineup

Santec's MEMS based attenuator is available in a variety of specifications for any DWDM application. Optical properties are excellent with low PDL. Santec's tilting mirror design coupled with laser welded packaging ensures a reliable, stiction-free device. Silicon MEMS devices are robust, withstanding repeated switching, wide temperature changes and mechanical shock without failure. Operational stability and long-term reliability are ensured with Telcordia compliant packagings.



Features

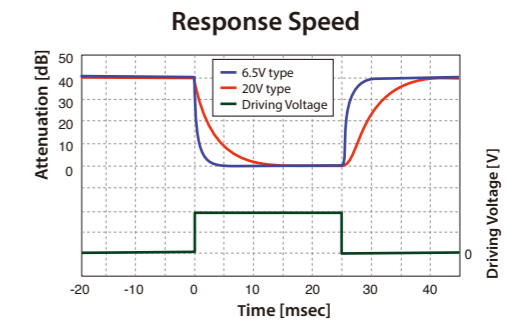
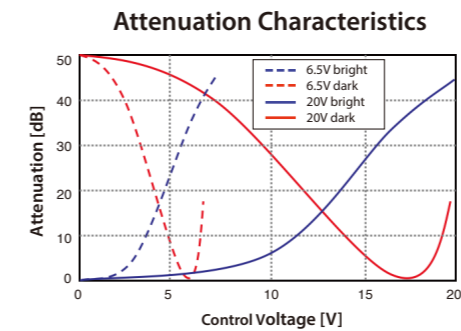
- ▶ Convenient control voltage
- ▶ Excellent optical performance
- ▶ Low power consumption
- ▶ Fast response
- ▶ High durability (Up to 1,000million cycles)
- ▶ Stiction-free structure
- ▶ High reliability and stability

Product Lineup

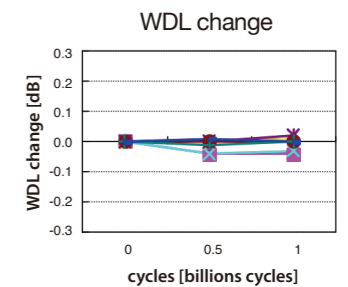
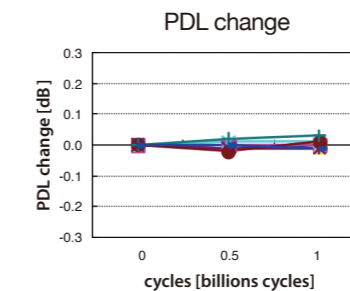
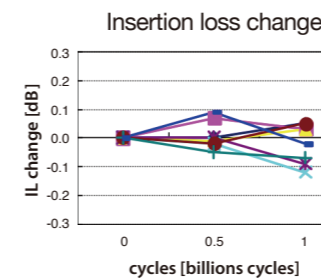
Convenient control voltage type

- 6.5V type : 5V(20dB ATT), 6.5V(40dB ATT)
 - 20V(Standard) type : 15V(20dB ATT), 20V(40dB ATT)
 - Excellent shock/vibration performance
- It is equivalent to standard 20V type

- Shutter function
>40dB shutter isolation
- Small bending radius fiber available
R=5mm



Durability Characteristic



Typical Operational Vibration Characteristic

