

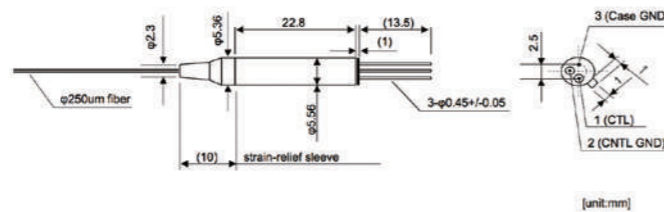
■ Specifications

| Parameter | Unit | | Spec | Note |
|-----------------------------|------|------|-------------|----------------------------------|
| Wavelength Range | - | nm | 1530 - 1570 | C band |
| | | | 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) |
| | | | 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 |

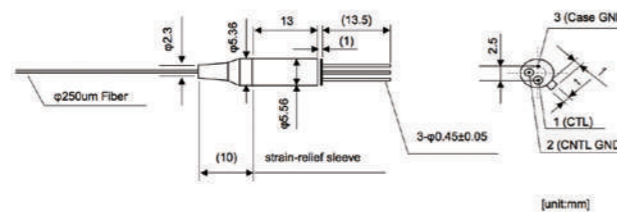
■ Dimensions

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-"

www.santec.com/en/

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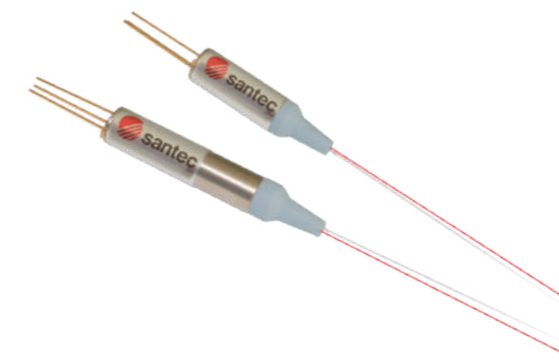
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MOVA Series Product Guide





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

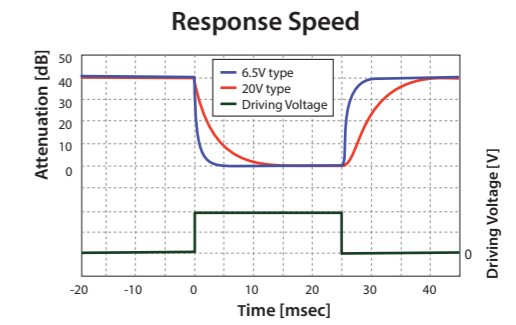
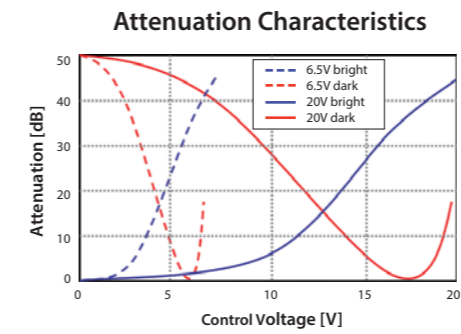
- ▶ Convenient control voltage
- ▶ Excellent optical performance
- ▶ Low power consumption
- ▶ Fast response
- ▶ High durability (Up to 1,000million cycles)
- ▶ Stiction-free structure
- ▶ High reliability and stability

Product Lineup

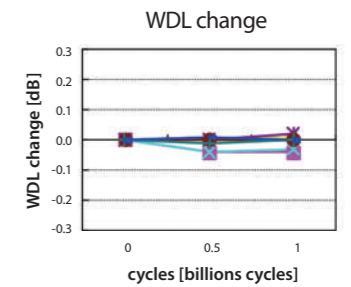
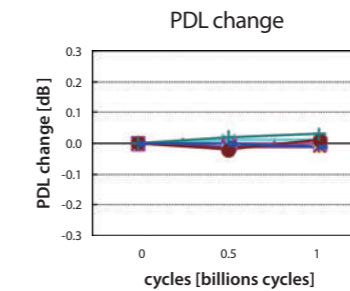
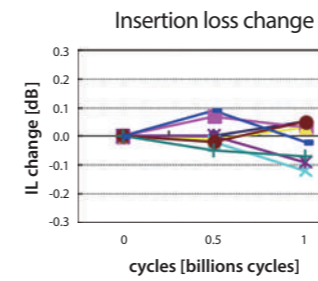
Convenient control voltage type

- 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

