

High Speed MEMS Attenuator MOVA-H

Santec's MEMS (Micro Electro Mechanical Systems) Attenuator based attenuator uses tilting mirror technology. High Speed MEMS attenuator (MOVA-H) is driven by Low power consumption and response speed is ultra fast.

Our MEMS technology is simple and unique MEMS mirror structure for high yield chip production and stable operation as variable optical attenuator.

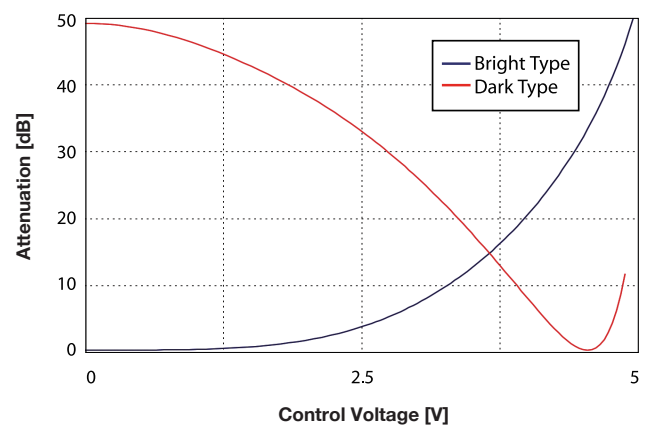
Coupled with laser-welded packaging, this provides both environmental reliability and operational stability design with excellent optical properties.



Features

- ▶ Ultra fast response speed
- ▶ 5V Driving
- ▶ Low Power Consumption
- ▶ World most compact package is available
- ▶ Proprietary stiction-free structure
- ▶ Bright and Dark Type Available
- ▶ RoHS Compliant

Typical Data

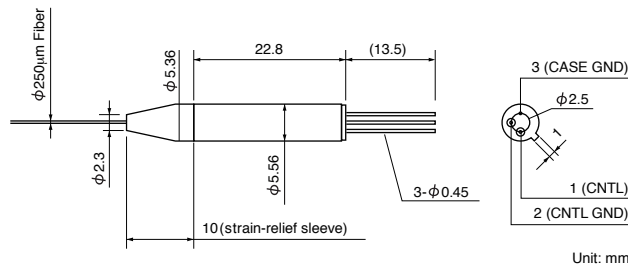


Specifications

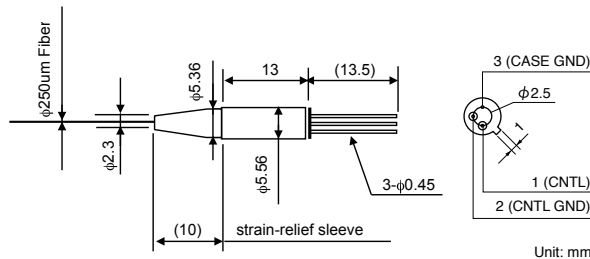
Parameter	Unit		Spec	Note
Wavelength Range	-	nm	1530 - 1570	C band
			1570 - 1610	L band
Insertion Loss	Max.	dB	0.8	w/o connectors
Max. Attenuation	Max.	dB	30	-
PMD	Max.	dB	0.1	-
Response Time	Max.	msec	3 (Typ. 2)	10-90%
Optical Power Handling	Max.	mW	300	-
Driving Voltage	Max.	V	6	-
Storage Temperature Range	-	°C	-40 to 85	<85%RH, Non condensation
Operating Temperature Range	-	°C	-5 to 70	<85%RH, Non condensation
Power Consumption	Max.	mW	0.1	-
Fiber Length	-	mm	1,000±100	0.25mm SMF

Dimension

Standard Package



Compact Package



Ordering Code

MOVA-H^{*1} - **A** - **B** - **C** - **D**

A = Channel

B = Activation Type

C = Wavelength range

D = Connector Type

1 : Single channel / 8 : 8 channel array

B : Bright type / D : Dark type

C : C-band / L : L-band

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-HC-"

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