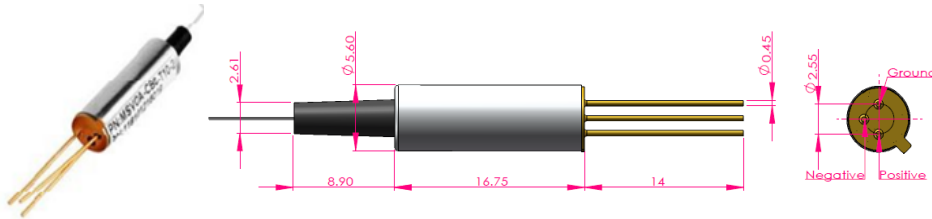


L Band MEMS VOA 1570-1610nm

The L Band MEMS Variable Optical Attenuator (MEMS VOA) utilizes advanced Micro-Electro-Mechanical System (MEMS) technology to achieve desired optical attenuation. It's based on a MEMS chip, which consists of an movable mirror on a silicon. A voltage applied to the MEMS chip makes the mirror to rotate, which alters the coupling efficiency of light passing through the MEMS VOA. It can be configured as bright or dark devices.



Features

- Compact Size
- Low PDL
- High Reliability
- Wide Attenuation Range

Applications

- Optical Path Power Balance
- Test & Measurement
- Lab and Research
- Modulators

Performance Specification

Parameter	Value	Unit
Center Wavelength	1590	nm
Operating Wavelength Range	L Band: 1570-1610	nm
Attenuation Type	Bright or Dark	dB
Min. Attenuation Range	30	dB
Min. Blocking State Attenuation (Dark Type)	40	dB
Typ. Insertion Loss	0.5	dB
Max. Insertion Loss	0.7	dB
Attenuation Resolution	Continuous	
Max. WDL @<0dB Attenuation	0.3	dB
Max. WDL @<20dB Attenuation	1.5	dB
Max. Ripple within 0.4nm Window @20dB	0.05	dB
Max. TDL @<0dB Att. Compare with RT	0.7	dB
Max. TDL @<20dB Att. Compare with RT	1.0	dB
Max. PDL @<0dB Att.	0.1	dB
Max. PDL @<20dB Att.	0.3	dB
Min. Return Loss	45	dB
Max. PMD	0.1	ps
Max. Response Time	3	ms
Max. Optical Power (CW)	300	mW
Driving Voltage	6 or 15	VDC
Max. Power Consumption	2	mW
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C

Note

- * Above data are for devices without connectors.
- * For other type MEMS VOA please contact OF-LINK for details.

Ordering Information

MSVOA-A-B-CC-DD-EE-FF

A	B	CC	DD	EE	FF
Wavelength	Driving Voltage	Attenuation Type	Fiber Jacket	Fiber Length	Connector
C - C Band	06 - 6V	B - Bright	B - 250um Bare	05 - 0.5m	NE - None
L - L Band	15 - 15V	D - Dark	Fiber	08 - 0.8m	FA - FC/APC
S - Specify			L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
				15 - 1.5m	SA - SC/APC
				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify