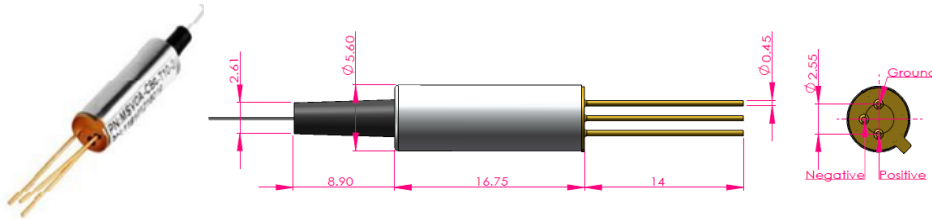


PM MEMS VOA 1550nm

The 1550 nm Polarization Maintaining MEMS Optical Fiber Attenuator (PM MEMS VOA) utilizes advanced Micro-Electro-Mechanical System (MEMS) technology to achieve desired optical attenuation. It's based on a PM MEMS chip, which consists of an movable mirror on a silicon. A voltage applied to the PM MEMS chip makes the mirror to rotate, which alters the coupling efficiency of light passing through the PM MEMS VOA. It can be configured as bright or dark devices.



Features

- Compact Size
- High Extinction Ratio
- High Reliability
- Wide Attenuation Range

Applications

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

Performance Specification

Parameter	Value	Unit
Center Wavelength	1550 or 1590	nm
Bandwidth	±20	nm
Attenuation Type	Bright or Dark	dB
Min. Attenuation Range	30	dB
Min. Blocking State Attenuation (Dark Type)	40	dB
Typ. Insertion Loss with connectors	0.5	dB
Max. Insertion Loss with connectors	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
Min. Extinction Ratio	18	dB
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 with connectors.
* The PM fiber and the connector key are aligned to the slow axis.

Ordering Information

PMSVOA-AAAA-B-CC-DD-EE-FF

AAAA	B	CC	DD	EE	FF
Wavelength	Driving Voltage	Attenuation Type	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	06 - 6V	B - Bright	B - 250um Bare	05 - 0.5m	NE - None
1550 - 1550nm	15 - 15V	D - Dark	Fiber	08 - 0.8m	FA - FC/APC
1590 - 1590nm			L - 900um Loose	10 - 1.0m	FP - FC/PC
SSSS - Specify			Tube	15 - 1.5m	SA - SC/APC
				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify