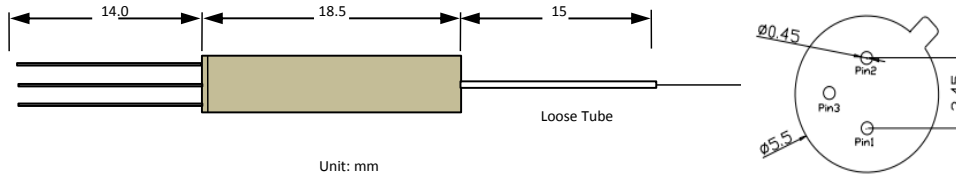


MEMS VOA 1050 1060 1064 nm

The 1050, 1053, 1060, 1064 nm 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 a 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. Polarization Maintenance (PM) MEMS VOAs available upon request.



Unit: mm

Features

- Compact Size
- Telcordia-GR-1221 Compliant
- High Reliability
- Wide Attenuation Range

Applications

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

Performance Specification

Parameter	Value	Unit
Center Wavelength	1050, 1053, 1060, 1064 or customized	nm
Bandwidth	±10	nm
Attenuation Type	Bright or Dark	dB
Min. Attenuation Range	20, 30, or 40	dB
Max. Insertion Loss	0.8	dB
Max. WDL @ 10dB Att.	0.4	dB
Max. PDL @ 10dB Att.	0.2	dB
Min. Return Loss	45	dB
Max. Response Time	5 (0.8 is available upon request)	ms
Max. Optical Power (CW)	500	mW
Driving Voltage	5, 6, 7, 10, 12, 14, 15 or customized	VDC
Max. Driving Power	5	μW
Fiber Type	HI1060 Fiber	
Operating Temperature	-5 to +70	°C
Operating Temperature	-40 to +85	°C

Note

- * Above data are for devices without connectors.
- * Specs may change without notice.

Ordering Information

MSVOA-AAAA-BB-CC-D-E-FF-GG

AAAA	BB	CC	D	E	FF	GG
Wavelength	Attenuation Range	Driving Voltage	Attenuation Type	Fiber Jacket	Fiber Length	Connector
1050 - 1050nm	20 - 20dB	05 - 5V	B - Bright	B - 250um Bare	05 - 0.5m	NE - None
1053 - 1053nm	30 - 30dB	06 - 6V	D - Dark	Fiber	08 - 0.8m	FA - FC/APC
1060 - 1060nm	40 - 40dB	07 - 7V		L - 900um Loose	10 - 1.0m	FP - FC/PC
1064 - 1064nm		10 - 10V		Tube	15 - 1.5m	SA - SC/APC
SSSS - Specify		12 - 12V			SS - Specify	SP - SC/PC
		17 - 17V				LA- LC/APC
		SS - Specify				LP - LC/PC
						SS - Specify