



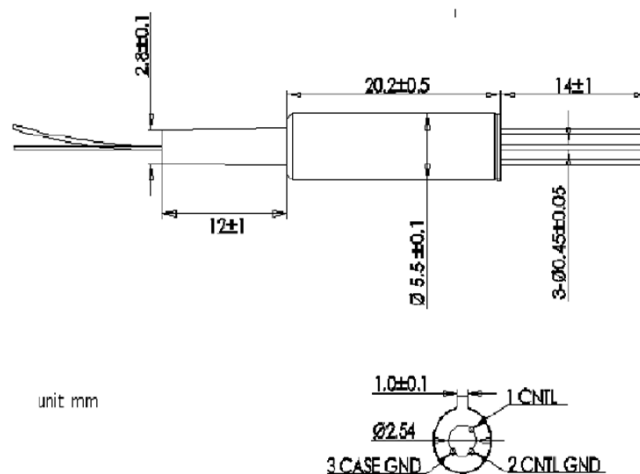
MEMS-based Variable Optical Attenuator (MEMSVOA serious)

The MEMS-based Variable Optical Attenuator is a high performance device with voltage actuate the rotating mirror and change the light coupling between input and output fiber to realize the attenuation.

Specifications

Parameter		Unit	Value
Operating Wavelength Range (λ_c)		nm	1252 - 1570
Attenuation w/o Driver Voltage			Bright / Dark
Max. Insertion Loss @ 1252 - 1350 nm, -5 to 70 deg C		dB	1.7
Max. Insertion Loss @ 1350 - 1565 nm, -5 to 70 deg C		dB	1.2
Max. Insertion Loss @ 1530 - 1565 nm, -5 to 70 deg C		dB	1.0
Max. WDL @ 1350 - 1530 nm, -5 to 70 deg C	0 dB	dB	1
	20 dB	dB	3.5
Max. WDL @ 1530 - 1570 nm, -5 to 70 deg C	0 dB	dB	0.6
	20 dB	dB	2.8
Max. Polarization Dependent Loss	0 to 10 dB	dB	0.3
	10 to 20 dB	dB	0.5
Attenuation Range		dB	20
Off State Isolation		dB	40
Attenuation Slope		dB/V	20
PMD		ps	0.05
Return Loss (within attenuation range)		dB	45
Response Time		ms	2
Repeatability		dB	0.1
Durability		cycles	10^9
Max. Optical Power (Continuous Wave)		mW	500
Fiber Type			SMF-28 fiber
Operating Temperature		°C	-5 to +70
Storage Temperature		°C	-40 to +85
Actuation Type			Non - Latching
Drive Voltage			0 - 15 VDC
Voltage Damage Theshold			17 V
Resistance			1M Ohm
Power Comsumption			30 uW

Package Dimension



Ordering Information

MEMSVOA-①①①①②③④⑤

①①: Wavelength
3155 - 1252 - 1565 nm
SS - Specify

②: Type
B - Bright
D - Dark

③: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④: Fiber Type
B - 250 μ m bare fiber
L - 900 μ m loose tube
S - Specify

⑤: Fiber Length
1 - 1.0 m
S - Specify

