OPTICO Customized SM MEMS VOA Datasheet

Can be equalization in multi channel DWDM System.

• Description

OPTICO 's micro-electro-mechanical system variable optical attenuator (MEMS VOA) is Power control and equalization in multi channel DWDM System.

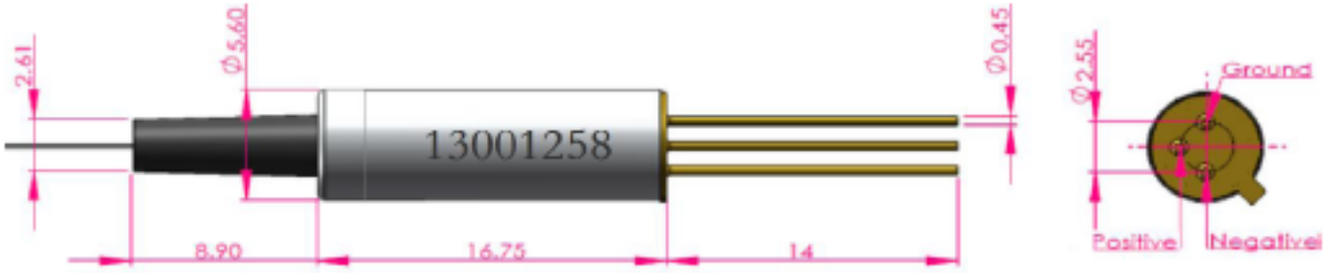
OPTICO photonics' MEMS Variable Optical Attenuator use the micro electrostatic driving mirror rotation. They are dynamic and continuous variable optical attenuators, which can be dark or bright state@0V.

With the advantage of excellent MEMS durability and repeatability and low insertion loss and very compact size, MEMS VOA can be easily monitored and control by online software.

• Advantages

- High channel isolation
- High reliability and stability
- CE/ISO/ROHS √
- Customized package type
- Support industrial temperature -40℃~+85℃, suitable for outdoor applications.
- Dark/Bright state is available

• Structure Diagram(Unit: mm)



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Length	17	mm
Diameter	5.5	mm

- Real products reference:

- Specifications:

Parameters	Value
Operation wavelength(nm)	1310 or 1064
Attenuation Type	Dark
Blocking state Attenuation （dB）	⩾40
Insertion loss(dB)	⩽1.2
Attenuation resolution	Continuous
Repeatability@-20dB	⩽0.2
Stability@-20dB(20 seconds)	⩽0.2
Return Loss(dB)	⩾45
Optical Power Handing(mW)	500
WDL(dB)	⩽0.5@ 0dB , ⩽1.5 @20dB over 20nm span
Response time(ms)	2
Driving Voltage(V)	6.5
Power Consumption(mW)	⩽2

- Operations/storage temperature/Humidity:

Operation Temperature(℃)	-5~+75
Storage Temperature(℃)	-40~+85
Operation Humidity(%RH)	5~95
Storage Humidity(%RH)	5~95

- Pigtail and connectors:

Fiber Type	Cornign SMF 28e/HI1060
Pigtail Type	250um,bare fiber
Pigtail Length(cm)	100±5
Connector	NA

- Ordering information:

X	X	XX	X	XX	X	X	X
Wavelength	Att. type	Drive Voltage	Fiber type	Pigtail length	Pigtail Type	Input	Output
1=850nm 2=1064nm 3=1310nm 4=1550nm X=custom	B=Bright D=Dark	05=5V 15=15	1=SMF-28 2=HI 1060 3=MM50/125 4=MM60/125 X=Custom	05=0.5m 10=1.0m	B=Bare fiber L=900um loose tube	1=None 2=FC/APC 3=FC/UPC 4=SC/APC 5=SC/UPC 6=LC/APC 7=LC/UPC	1=None 2=FC/APC 3=FC/UPC 4=SC/APC 5=SC/UPC 6=LC/APC 7=LC/UPC