MEMS Variable Optical Attenuator Device

Features

- Low insertion loss and Low PDL
- Insensitive to Shock and Vibration
- High stability and high reliability

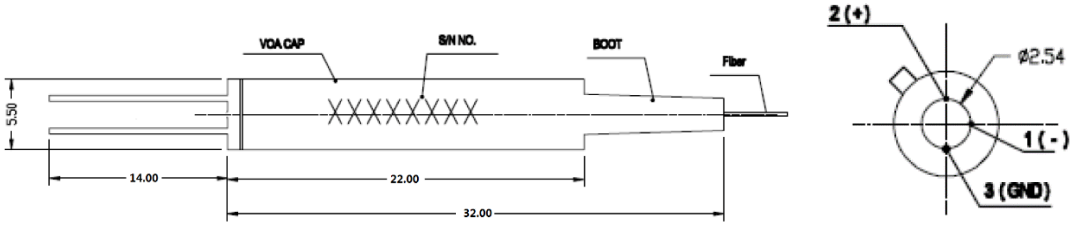
Applications

- Power control and equalization in multi channel System
- Gain-tilt control in EDFAS
- Receiver protection

Specifications

Parameter	Unite	
Wavelength Range	nm	C band:1530~1570nm L band:1570~1610nm
Attenuation Type	--	Bright or Dark
Attenuation Range	dB	≥30
Insertion Loss	dB	≤0.7
Attenuation Resolution	dB	Continuous
Extinction Ratio①	dB	≥18
Wavelength Dependent Loss	dB	≤0.3@ 0dB , ≤1.5 @20dB
Temperature Dependent Loss (compare with RT）	dB	≤0.7@ 0dB , ≤1.0 @20dB
Return Loss	dB	≥45
Fiber Type	--	PM fiber
Response Time（10-90%optical power）	ms	≤3
Driving Voltage	V	6.5V or 15V
Driving Power	mW	≤2
Maximum Optical Power	mW	≤500
Operating Temperature	℃	-0～+70
Storage Temperature	℃	-40～+85
Package Dimensions	mm	28×Φ5.4 (L×D)

Notes: specified without connectors



▣ Ordering Information:

A	B	C	D	E	F	G	H	
MVOA	wavelength	Att. Type	Drive Voltage	Fiber Type	Pigtail Length	Pigtail Type	Input	output
	1=850nm 2=1064nm 3=1310nm 4=1550nm X=Customized	B=Bright D=Dark	05=5V 15=15	1=SMF-28 2=HI 1060 3=MM50/125 4=MM60/125 X=Customized	05=0.5m 10=1.0m	B=Bare Fiber L=900um Loose Tube	0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC	0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC