

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

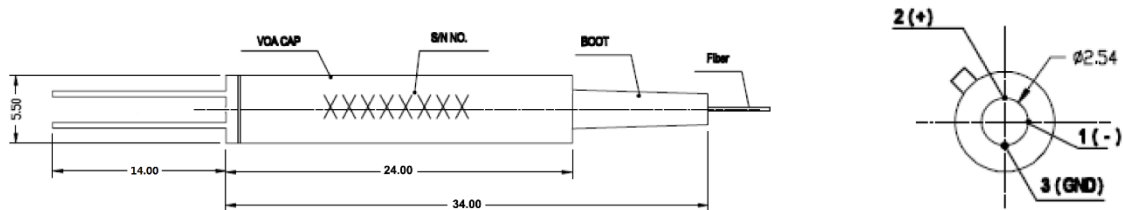
■ Specifications

Parameter	Unite	Value
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
PDL	dB	≤ 0.1
Wavelength Dependent Loss	dB	$\leq 0.3 @ 0dB$, $\leq 1.5 @ 20dB$
Temperature Dependent Loss (compare with RT)	dB	$\leq 0.7 @ 0dB$, $\leq 1.0 @ 20dB$

Return Loss	dB	≥ 45
Fiber Type	--	SM, PM fiber
Response Time (10-90%optical power)	ms	≤ 3
Driving Voltage	V	6.5V
Driving Power	mW	≤ 2
Maximum Optical Power	mW	≤ 500
Operating Temperature	$^{\circ}\text{C}$	-0~+70
Storage Temperature	$^{\circ}\text{C}$	-40~+85
Package Dimensions	mm	$22 \times \Phi 5.5$ (L×D)

Notes: specified without connectors

■ Dimensions (mm)



■ Ordering Information: MOSW-A-B-C-D-E-F-G

MVOA	A	B	C	D	E	F	H	G
Port	wavelength	Att. Type	Drive Volta	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=15v	1=SMF-28 2=HI 1060 3=MM50/12 5 4=MM60/12 5 X= Customized	05=0.5m 10=1.0m	B=Bare Fiber L=900umL oose 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