

MEMS Variable Optical Attenuator Device

Features

- ◆ Low Insertion Loss
- ◆ Low Power Consumption
- ◆ Low PDL
- ◆ Compact Design
- ◆ Insensitive to Shock and Vibration
- ◆ High Reliability and Stability
- ◆ Telcordia GR-1221-CORE-1999
- ◆ RoHS



Applications

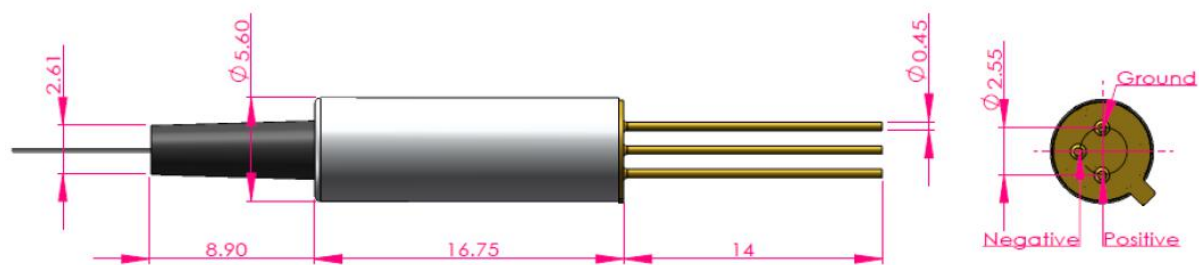
- ◆ Power control and equalization in multi channel System
- ◆ Gain-tilt control in EDFAS
- ◆ Receiver protection
- ◆ Channel on/off switching

Specifications

Parameter	Specification	Note
Wavelength Range (nm)	850	
	1064, 1310	
	1530~1570	C band
	1570~1610	L band
Attenuation Type	Bright or Dark	
Attenuation Range (dB)	≥ 30	
Blocking state Attenuation(dB)	≥ 40	Dark Type
Insertion Loss(dB)	≤ 0.7 (TYPICAL 0.5)	Excluding Connector
Attenuation Resolution (dB)	Continuous	
Wavelength Dependent Loss(dB)	≤ 0.3	@<0 dB Att.
	≤ 1.5	@<20 dB Att.
Polarization Dependent Loss(dB)	0.1	@<0 dB Att.
	0.3	@<20 dB Att.
Temperature Dependent Loss(dB)	≤ 0.7	@<0 dB Att. compare with RT
	≤ 1.0	@<20 dB Att. compare with RT
Return loss (dB)	≥ 45	
PMD (ps)	<0.1	
Response Time(ms)	≤ 3	10-90%optical power
Optical Power Handling (mW)	300	
Driving Voltage (V)	6.5 or 15	
Power Consumption(mW)	≤ 2	
Operation Temperature (°C)	0~70	
Storage Temperature (°C)	-40~85	

1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.

Mechanical Dimensions
Standard



Ordering information

MEVOA	-	*	*	**	*	**	-	*	*
		Wavelength	Att. type	Drive voltage	fiber type	fiber length		Input	output
		1=850nm	B=Bright	06=6V	B=Bare fiber	05=0.5M		0=None	0=None
		2=1064nm	D=Dark	15=15V	L=900um Loose Tube	10=1.0M		1=FC/UPC	1=FC/UPC
		3=1310nm						2=FC/APC	2=FC/APC
		4=C band						3=SC/UPC	3=SC/UPC
		5=L band						4=SC/APC	4=SC/APC
								5=LC/UPC	5=LC/UPC
								6=LC/APC	6=LC/APC