

## MEMS VOA

### Features

- Compact Size
- Low Loss, Low PDL
- Low wavelength dependence over C-band or L-band
- Fast response time
- Hermetically sealed MEMS chip
- Insensitive to shock & vibration
- Low power consumption

### Applications

- Optical network power management
- Gain-tilt control in EDFA
- Receiver protection
- Channel on/off switching
- Mux/Demux module, OADM node



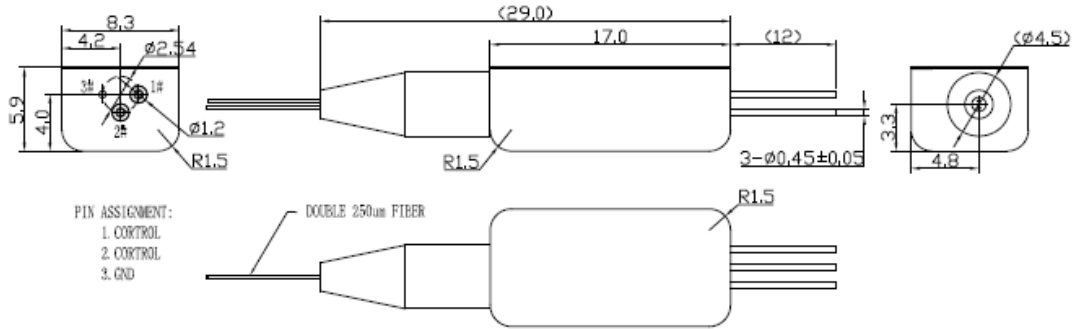
### Specifications

Parameter			Specification		Unit
Configuration			Bright	Dark	
Operating Wavelength Range			C-band: 1525~1575 L-band: 1570~1610		nm
Attenuation Range	Max		25	25	dB
Insertion Loss <sup>1</sup>	Max		0.8	0.9	dB
Tuning Speed	Max		20	20	ms
Wavelength Dependent Flatness	0~10dB	Max	0.3	0.3	dB
	10~20dB	Max	0.4	0.4	dB
Temperature dependent loss <sup>2</sup>	At IL	Max	±0.3	±0.3	dB
	At 10dB	Max	±0.5	±1.2	dB
	At 20dB	Max	±0.7	±1.5	dB
Polarization Dependent Loss	0~10dB	Max	0.1	0.1	dB
	10~20dB	Max	0.2	0.2	dB
Return loss <sup>1</sup>	Min		45	45	dB
Optical Power Handling	Max		27	27	dBm
Power Consumption	Max		150	150	mW
Drive Voltage	Max		6	5	V
Operating Temperature Range			0~70		°C
Storage Temperature Range			-40~85		°C
Package Dimension(L*W*H) <sup>3</sup>			29*8.3*5.9		mm

#### Notes:

1. Excluding connectors. Typical insertion loss of a pair of connectors will be 0.3dB.
2. Relative to 25°C, under constant drive power for bright type; under constant drive voltage for dark type; O-Net can provide control solution;
3. Length with rubber boot.

### Dimension



### Order Information

MMVOA-A-B-C-D

A	Type	1:Bright Type 2:Dark Type
B	Operating Wavelength	15:C-band 16:L-band
C	Fiber Type	1:250um bare fiber 2:900um fiber
D	Connector Type	0:without connector 1:FC/PC 2:FC/UPC 3:FC/APC 4:SC/PC 5:SC/UPC 6:SC/APC 7:ST 8:LC 9:MU X: Customized