O-Net Communications
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ATTENUATION/MONITORING

Compact MEMS VOA

Features

- Compact Size
- Ultra Fast Tuning Speed
- Extremely Low power consumption
- Low Insertion Loss, Low PDL
- Hermetically sealed MEMS chip
- Compliance with Telcordia GR-468-CORE

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
Attenuation Type			Dark	Bright	
Operating Wavelength Range			C-band		nm
Attenuation Range		Min	30		dB
Insertion Loss[1]		Max	0.8		dB
Response time		Max	3		ms
Over C-Band wavelength dependence loss	0~8dB attenuation	Max	0.5		dB
	8~15dB attenuation	Max	1.0		dB
	15~20dB attenuation	Max	1.5		dB
Temperature Dependent Attenuation[2]	at IL	Max	±0.3		dB
	at 10dB	Max	±1.0		dB
	at 20dB	Max	±1.5		dB
Polarization Dependent Loss	0~10dB attenuation	Max	0.2		dB
	10~20dB attenuation	Max	0.3		dB
Return Loss[1]		Min	45		dB
Optical Power Handling		Min	23		dBm
Power Consumption		Max	0.5		mW
Drive Voltage		Max	6.5		V
ESD		Min	500		V
Operating Temperature Range			-5~+75		℃
Storage Temperature Range			-40~+85		℃

Notes:

1. Excluding connectors;
2. Relative to 25℃.

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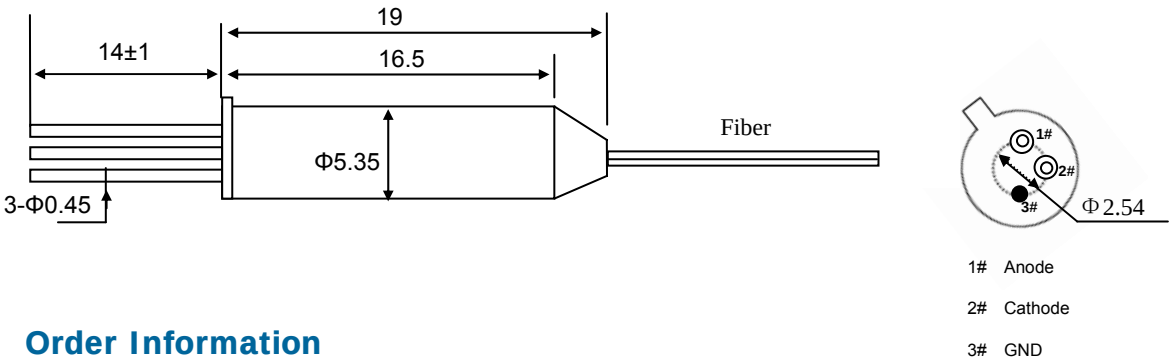
Dimension



Order Information

MVOA – A – B – C– D

A	Attenuation Type	1: Dark 2:Bright
B	Wavelength Range	1: C-band 2: L-band 3: Wide-band 4: Others
C	Fiber Type	1: 250μm bare fiber 2: 900μm tight buffer 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