



## Applications

- Short distance network
- Private network
- Data Center Network
- Instrumentation

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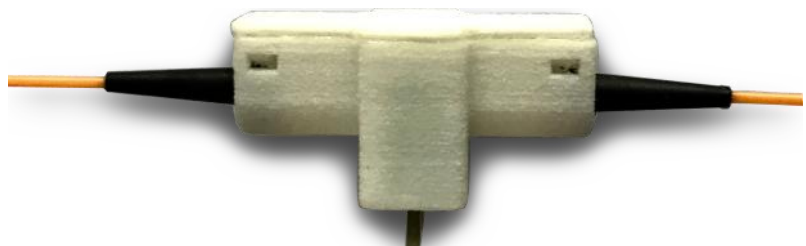
WEBSITE: [www.optimems.com](http://www.optimems.com)

# Variable Optical Attenuator

## Multi-mode Shutter VOA

Multi-mode Shutter VOA "MSVOA" is a special product in the VOA family supporting multi-mode laser attenuation. Using MEMS shutter to block multimode laser beam to achieve a sufficient attenuation range. Special considerations are given in design and manufacturing process to achieve the desired stability and other optical attenuation performance in multi-mode operation.

The MSVOA is a critical component for multi-mode laser system with unique specifications.



## Quality Performance Excellence

### Features

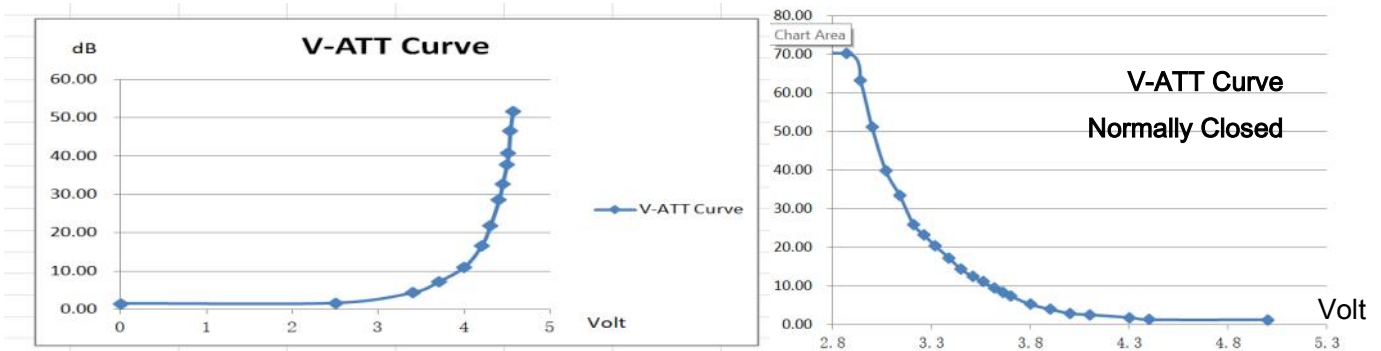
- Hermetically sealed
- Low insertion loss (IL)
- Large attenuation range
- High attenuation accuracy
- Telcordia GR-1209 & GR-1221 compliant

# Variable Optical Attenuator

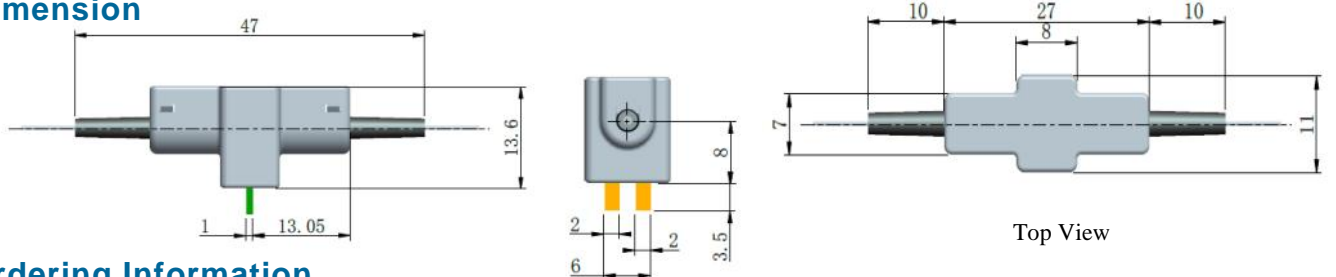
## Specifications

Parameter	Specification		Unit
Fiber Type	50/125 (OM2)	62.5/125	um
Operating Wavelength Range	850 or 1310		nm
Wavelength—tested	850 or 1310		nm
Attenuation Range	Min	50	dB
Driving Voltage	Max	Bright: 5v / Dark: 4.3v	V
Insertion loss	Max	1.5	TBD
Optical Return Loss	Min	35	TBD
Repeatability @ 20dB	Max	0.5	TBD
Stability @ 30 dB (10-sec period)	Max	0.1	TBD
Response Time	Max	100	TBD
Total Optical Power	Max	500	TBD
Dimension (Overall Lx W x H)	34 x 10.7 x 12.8		mm
Configuration	Bright / Dark		
Operating Temperature	-5~70		°C
Storage Temperature	-40~85		°C
Power Consumption	180		mW

## Optical performance



## Dimension



## Ordering Information

Package type:	Attenuation Type:	Wavelength Range:	Optical Modes:	Att. Range:	Test Method:	Connector Type:	Fiber Jacket	Fiber Length:	Mfg Spec::
B	B	S	M	N	N	0	0	1	0
T Shutter Type	B: Bright 5V D: Dark 5V	S 850nm O: 1310nm	M 50um T 62.5um	N:35dB W:45dB	N Narrow-band	0 None 1 FC/UPC 2 FC/APC 3 SC/APC 4 SC/UPC 5 LC/UPC 6 LC/APC	0: Bare 1: 0.9mm OD Jacket	1 1m 2 0.5m	0 None