



## Applications

- Optical Fiber Sensing
- Instrumentation
- High-speed Optical Communication.
- Optical Coherence Tomography "OCT"

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# Variable Optical Attenuator

## Single-Channel PMVOA

Polarity Maintenance VOA "PMVOA" is a specialized VOA product family in achieving laser attenuation while maintaining its polarity. It is widely used in many applications that polarity maintenance is critical, such as optical fiber sensing, optical instrumentation, etc. The PMVOA has been optimized over the years of production to achieve its unique performance advantages unmatched in the industry.



## Quality Performance Excellence

### Features

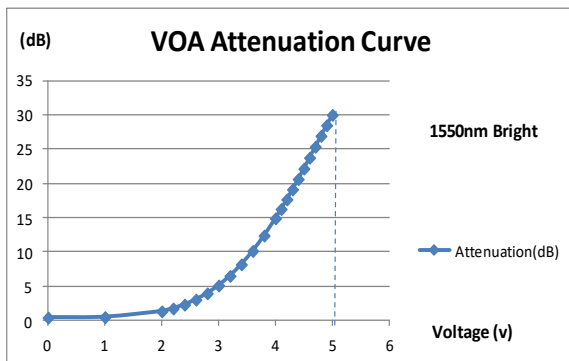
- Excellent Extinction Ratio "ER"
- Miniature design in a TO46 package
- Hermetically sealed
- Low insertion loss (IL)
- **High attenuation range**
- Low power consumption
- Fast response time
- High optical power handling
- Telcordia GR-1209 & GR-1221 compliant

# Variable Optical Attenuator

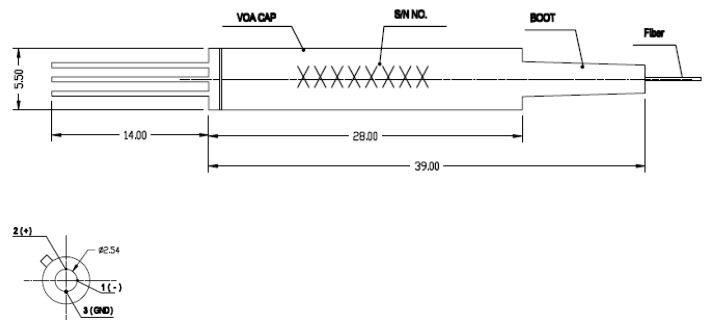
## Specifications

Parameter	Specification		Unit
Configuration	Normal	Enhanced	
Operating Wavelength Range	850 or 1064 or 1550		nm
Wavelength—tested	850 or 1064 or 1550		nm
Attenuation Range	Min	35	35
Driving Voltage	Max	5.5	5.5
Extinction Ratio	Min	-18	-20
Insertion loss	Max	0.7	0.7
Optical Return Loss	Min	45	45
Repeatability	Max	0.1	0.1
Wear-out	Min	10 <sup>9</sup>	10 <sup>9</sup>
Response Time	Max	5	5
Total Optical Power	Max	500	500
Dimension	28×Φ5.4 (L×D)		mm
Fiber Type	(850, 1064, 1550) nm	5/125 or 6.6/125 or 8/125 PM Fiber	
Operating Temperature	-5~70		°C
Storage Temperature	-40~85		°C
Power Consumption	10		mW

## Optical performance



## Dimension



## Ordering Information

B	B	C	P	N	—	Q	0	0	1	0
Package Type:	Attenuation Type:	Wavelength Range:	Optical Modes:	Att. Range:		Test Method:	Connector Type:	Fiber Protection	Fiber Length	Mfg Spec::
B: Mirror Type, Mini-Casing	B: Bright 5V C: Bright 15V D: Dark 5V E: Dark 15V	C: 1525-1570nm S: 850nm H: 1060nm	P: Polarity Maintenance.	N:35dB W:45dB		P: High ER Q: Normal ER	0: None	0: Bare 1: 0.9mm OD Jacket	: 1: 1m	0: None