



Applications

- EDFA Gain Control
- Channel Equalization
- Receiver Protection
- Power Equalization in VMux

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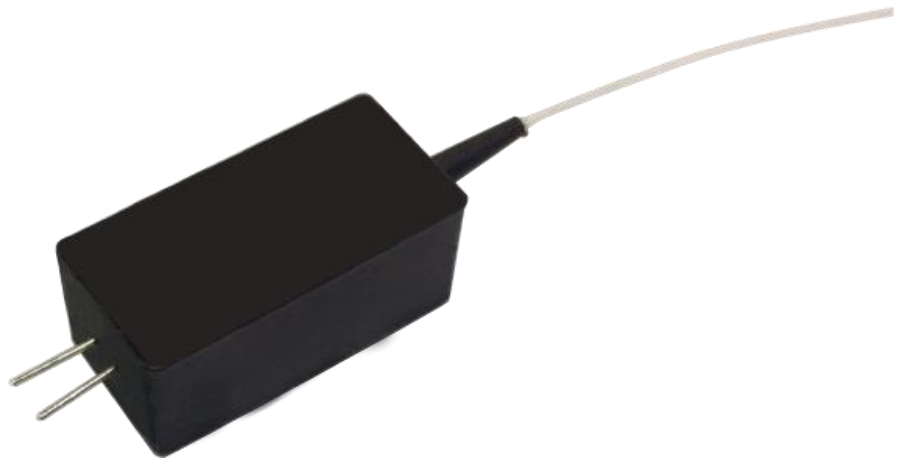
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Variable Optical Attenuator

Single-mode Shutter VOA

Single-mode Shutter VOA "SSVOA" is an advanced product in the VOA family that offers industry-leading optical performance at a low price. Using MEMS shutter to block multi-mode laser beam to achieve a sufficient attenuation range. Special considerations are given in design and manufacturing process to achieve the optimal WDL and PDL that are mandatory in wide bandwidth network. Many patented innovations are implemented to achieve the cost reduction without performance compromise.



Quality Performance Excellence

Features

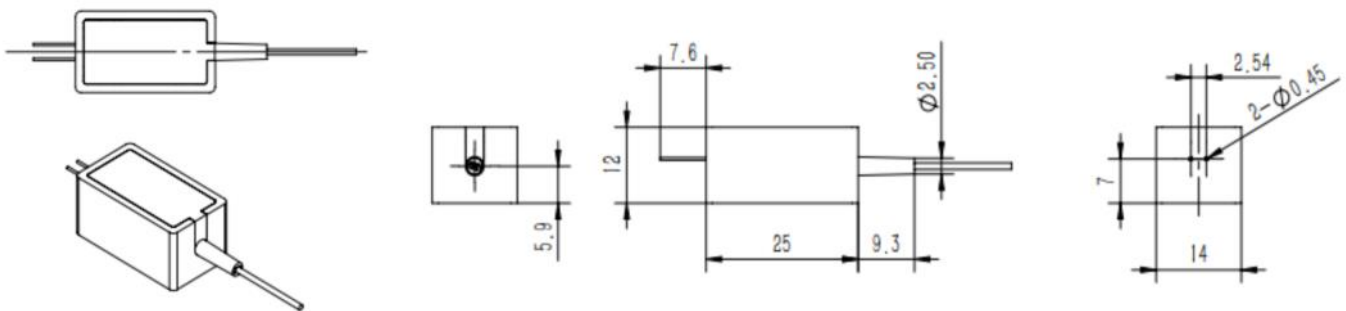
- Hermetically sealed
- Excellent WDL and PDL
- Low insertion loss (IL)
- Large attenuation range
- High attenuation accuracy
- Telcordia GR-1209 & GR-1221 compliant

Variable Optical Attenuator

Specifications

Parameter	Specification		Unit
Configuration	Bright	Dark	
Operating Wavelength Range	1260—1620		nm
Wavelength—tested	1330 / 1550		nm
Attenuation Range	Min	45dB	45dB
Driving Voltage	Max	5.2	4.3
Insertion loss	Max	0.7	0.7
Polarization Dependent Loss (PDL)	0 dB	Max	0.1
	0-10dB	Max	0.2
	10-20dB	Max	0.25
Wavelength Dependent Loss (WDL)	0 dB	Max	0.1
	0-10dB	Max	0.15
	10-20dB	Max	0.2
Optical Return Loss	Min	45	45
Repeatability	Max	0.1	0.1
Wear-out	Min	10 ⁹	10 ⁹
Response Time	Max	20	20
Total Optical Power	Max	500	500
Dimension (Excluding Fibers & leads)	25 × 14 x 12 (L x W x H)		mm
Fiber Type	Corning SMF-28 (9/125μm)		
Operating Temperature	-5~70		□
Storage Temperature	-40~85		□
Power Consumption (Peak / Typical)	150 mW / 120 mW		mW

Dimension



Ordering Information

B	B	C	S	N	N	0	0	1	0
Package Type:	Att. Type:	Wavelength Range:	Optical Modes:	Att. Range:	Ripple:	Connector Type:	Fiber Protection:	Fiber Length:	Mfg Spec:
S: Shutter Single-side Fiber	B Bright D Dark	C 1525-1570nm L 1570-1610nm D 1310&1550nm B 1525-1610nm	S: Single-mode	N: 35dB W: 45dB	N: Narrowband B: Broadband	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	0: None