

## 1950nm SM Manual Variable Optical Attenuator

1950nm SM Manual Variable Optical Attenuator is a fiber component which can control the attenuation of the optical power by adjusting the screw, the attenuation value can be up to 60dB, it's widely used in optical power testing system, fiber line protection and optical power monitoring field.

### Application:

Optical Power Monitoring  
Fiber Line Protection  
Testing System  
Lab And Research

### Features:

Low Original Loss  
High Return Loss  
High Attenuation Range  
High Reliability



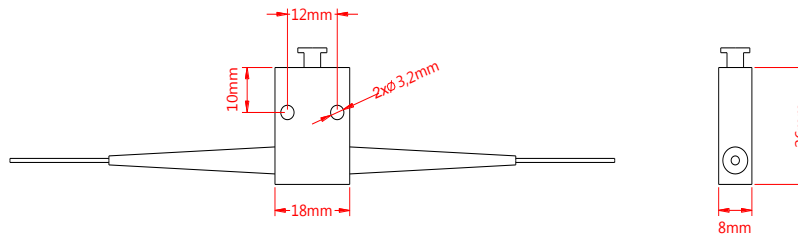
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1950	nm
Bandwidth	BW	$\pm 40$	nm
Attenuation Range		0.8-60	dB
Max. Original Loss	IL	0.8	dB
Adjustment Precision		0.02	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e or SM 1950 fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		26x18x8	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

SMVOA- <b>WWW</b> - <b>FF</b> - <b>J</b> - <b>LL</b> - <b>CC</b>				
<b>WWW</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
1940 - 1940nm	S2 - SMF-28e	B - 250um Bare Fiber	05 - 0.5m	NE - None
1950 - 1950nm	S1 - SM 1950	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
2000 - 2000nm	SS - Specify	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
2050 - 2050nm		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify