Mechanical Variable Optical Attenuator

The mechanical variable optical attenuator is a micro-optical component designed to control the attenuation of the optical signal passing through it, and the required attenuation can be precisely achieved by adjusting screws. This product can be used to accurately balance signal strength in fiber optic circuits and to balance optical signals when evaluating the dynamic range of measurement systems. Operating wavelength, fiber type, fiber length, and connectors can be customized according to customer needs.

Features

- Wide Attenuation Range
- High Accuracy
- Low Insertion Loss
- Low Polarization-related Losses
- Compact
- High stability and reliability

Application

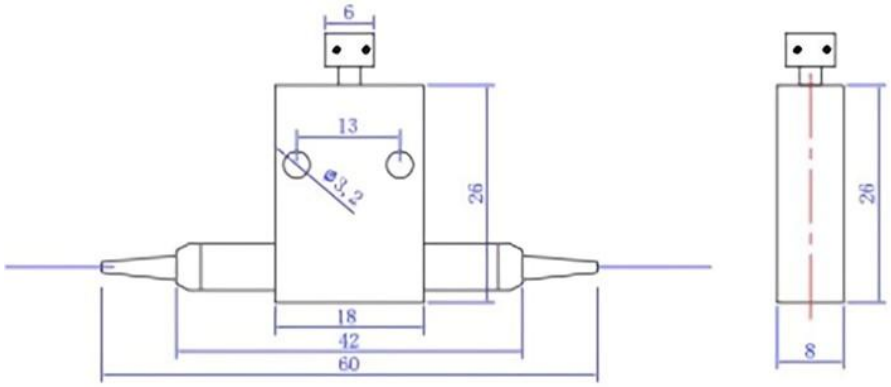
- Sensor
- Power Equalizer
- Laboratory Testing
- Gain flat filter
- Optical transmission system

Performance Specifications

Parameters	1550	1310	850
Operating Wavelength(nm)	1550±30	1310±30	850±30
Max Insertion Loss[1](23℃,All sop)(dB)	0.6	0.6	0.8
Attenuation Range(dB)	0.6~60	0.6~60	0.8~60
Return Loss(dB)	≥60		
Polarization-related losses(dB)	≤0.05		
Max Optical Power(mW)	500		
Operating Temperature(℃)	-0~+70		
Storage Temperature(℃)	-40~+85℃		
Package size(mm)	26x13x8.3		

*Notes: 1.Insertion Loss tested without connector.

Mechanical Dimensions(Unit:mm)



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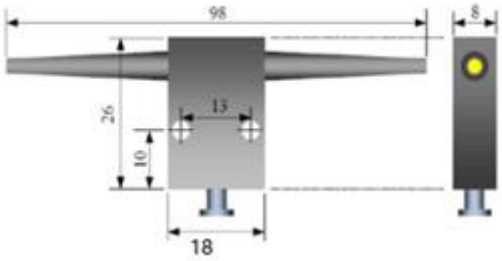

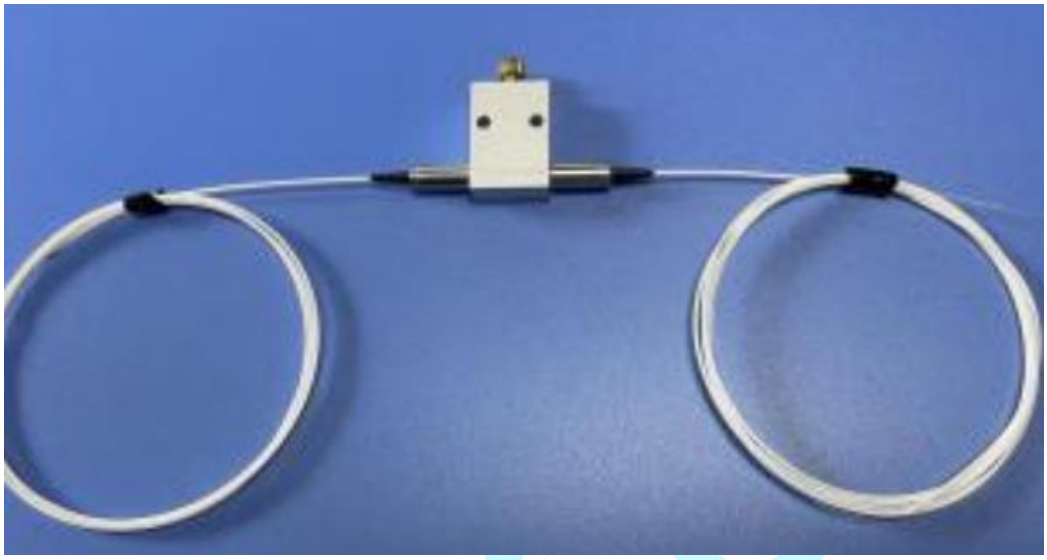

Order information:

MVOA（Mechanical Variable Optical Attenuator）PN：MVOA-XXXXXX-XX （MVOA+7 Code+2 Serial Number）

MVOA	XX		X		X		X		X		X		XX
	Center		Grade		Fiber Jacket		Fiber Type		Fiber Length		Connector		
	13	1310	P	P Grade	0	250um Bare Fiber	0	SMF	0	0.5m	0	none	
	15	1550	A	A Grade	1	0.9mm Loose Tube	1	HI780	1	1.0m	1	SC/UPC	
	35	1310/1550	S	Special	2	2.0mm Loose Tube	2	HI1060	2	1.5m	2	SC/APC	S
	85	850			3	3.0mm Loose Tube	3	1310 PM	3	2.0m	3	FC/UPC	N
	83	850/1300			S	Special	4	1550 PM	4	2.5m	4	FC/APC	
	0S	Special					S	Special	5	3.0m	5	LC/UPC	
									6	3.5m	6	LC/APC	
									7	0.7m	7	ST/UPC	
									8	1.2m	8	E2000	
									9	2.7m	9	MU	
									S	Special	S	Special	

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