2000nm Polarization Maintaining Mechanical Variable Optical Attenuator

Key Features

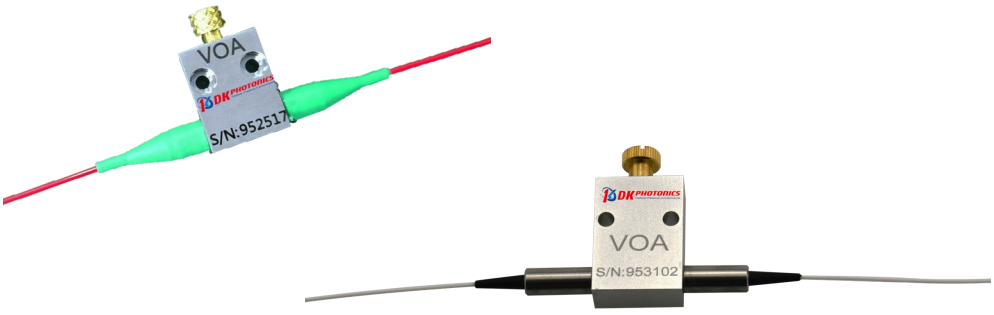
- Wide attenuation range
- High precision
- Low original loss
- Compact size

Applications

- Fiber communication on system test
- Optical passive component test
- Fiber laser
- Fiber amplifier
- Optics lab use

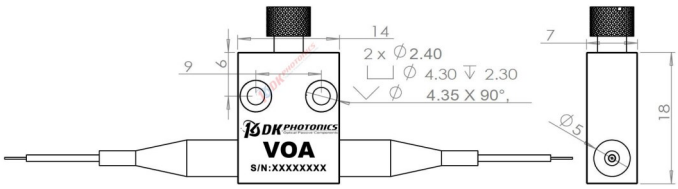
2000m Polarization Maintaining Mechanical Variable Optical Attenuator is a useful tool for the optical components and systems test. All input and output fibers are polarization maintaining to maintain the polarization state of the light. The PM Manual Variable Optical Attenuator is designed and manufactured to reduce the output optical power, get the power suitable. It is with low insertion loss, high extinction ration, high return loss and low Adjustment Precision, The PM Attenuator is widely applied at fiber laser system.

Both sizes of VOA are available with a hand twist or a flat-blade screwdriver. The standard size VOA uses an aluminum alloy shell, which is lighter. The nut and the screw are of elastic structure, and the adjustment torque is generated to make the mechanism self-lock, completely eliminate the transmission gap, and the transmission process is stable and five-beat. Thereby, the optical attenuation resolution is high, and the continuity, vibration resistance and stability are better.

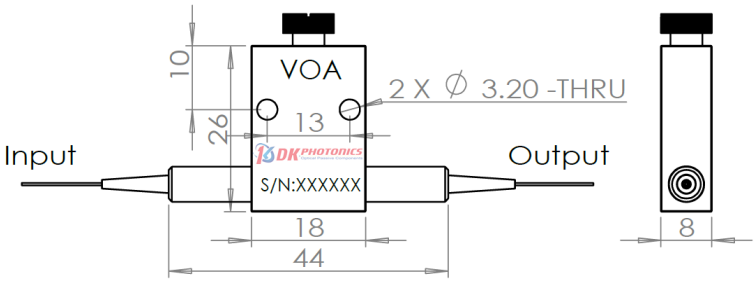


Package Dimen-

Mini size:



Standard size:



*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

For more Info

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2000nm Polarization Maintaining Mechanical Variable Optical Attenuator

Performance Specifications

Parameter		Unit	value	
Grade		-	P	A
Center Wavelength		nm	1950, 2000, 2050	
Operating Wavelength Range		nm	±50	
Max. Original loss		dB	0.8	1.2
Attenuation range		dB	0.8 ~ 60	1.2 ~ 40
Min. Return loss		dB	50	
Adjustment Precision		dB	0.02	
Min. Extinction ratio		dB	20	
Max. Power Handling		mW	500	
Max. Tensile Load		N	5	
Fiber type		-	PM1550 or PM1950 Panda fiber	
Operating temperature		℃	0 ~ +70	
Operating temperature		℃	-40 ~ +85	
Dimensions	Mini size	mm	18×14×7, stainless steel	
	Standard size	mm	26×18×8, aluminum alloy	

1. Above specifications are for device without connector, and the PM VOA device is both axis working. All parameters are tested at room temperature.

2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower. The default connector key is aligned to slow axis.

3. If there is pulse application, please be sure to inform us of pulse energy and peak power.

Order information

P/N: PMVOA-①-②-③-④-⑤-⑥-⑦

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤	⑥	⑦
Wavelength	Grade	Dimensions	Fiber Type	Pigtails Diameter	Fiber Length	Connector
1950: 1950nm 2000: 2000nm 2050: 2050nm XX: Others	P:P Grade A:A Grade	S: Standard M: Mini size	P15: PM1550 P19: PM1950 XX: fiber code	90:900μm 20:2.0mm 30:3.0mm	08:0.8m 10:1.0m XX: Others	00: None FP: FC/PC FA: FC/APC XX: Others

Part Number Example #1: PMVOA-2000-P-S-P15-90-10-FA

Description: 2000nm Polarization Maintaining Mechanical Variable Optical Attenuator, P grade, Standard size,1.0m PM1550 Panda Fiber with 0.9mm OD loose tube, and FC/APC connectors at all ports.

Part Number Example #2: PMVOA-1950-P-S-P19-90-10-FA

Description: 1950nm Polarization Maintaining Mechanical Variable Optical Attenuator, P grade, Standard size,1.0m PM1950 Panda Fiber with 0.9mm OD loose tube, and FC/APC connectors at all ports.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.