

2000nm single mode Mechanical Variable Optical Attenuator

Key Features

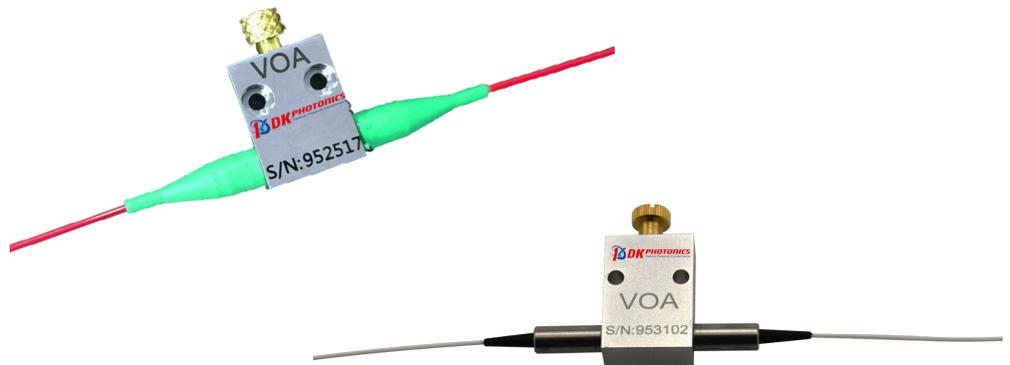
- Wide attenuation range
- High precision
- Low original loss
- Compact size

Applications

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

2000nm single mode Mechanical Variable Optical Attenuator is a useful tool for the optical components and systems test. The SM 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 SM 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-

For more Info

Please contact us at:

Tel: +86-755-23736280

Fax: +86-755-26746512

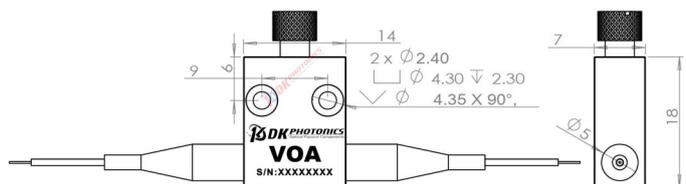
E-mail: sales@dkphotonics.com

<https://www.dkphotonics.com>

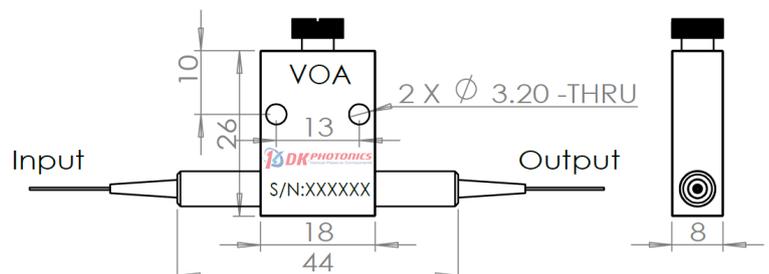
Add.:

4F, Bldg. 18, Qinghu Industrial Park,
Dahe Road, Longhua Dis.,
Shenzhen, China 518109

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.

2000nm single mode 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	-	SMF-28e(default) or SM1950 fiber	
Operating temperature	°C	0 ~ +70	
Operating temperature	°C	-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. All parameters are tested at room temperature.
2. For devices with connectors, IL will be 1.5dB higher, RL will be 5dB lower.
3. If there is pulse application, please be sure to inform us of pulse energy and peak power.

Order information P/N: VOA-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	P:P Grade	S: Standard	S28: SMF-28e	90:900µm	08:0.8m	00: None
2000: 2000nm		M: Mini size	S19: SM1950	20:2.0mm	10:1.0m	FP: FC/PC
2050: 2050nm			XX: fiber name	30:3.0mm	XX: Others	FA: FC/APC
XX: Others						XX: Others

Part Number Example #1: VOA-1950-P-S-S28-90-10-FA

Description: 1950nm SM Mechanical Variable Optical Attenuator, P grade, Standard size, 1.0m SMF-28e Fiber with 0.9mm OD loose tube, and FC/APC connectors at all ports.

Part Number Example #2: VOA-2000-P-S-S19-90-10-FA

Description: 2000nm SM Mechanical Variable Optical Attenuator, P grade, Standard size, 1.0m SM1950 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.