

## 1550nm single mode Mechanical Variable Optical Attenuator

### Key Features

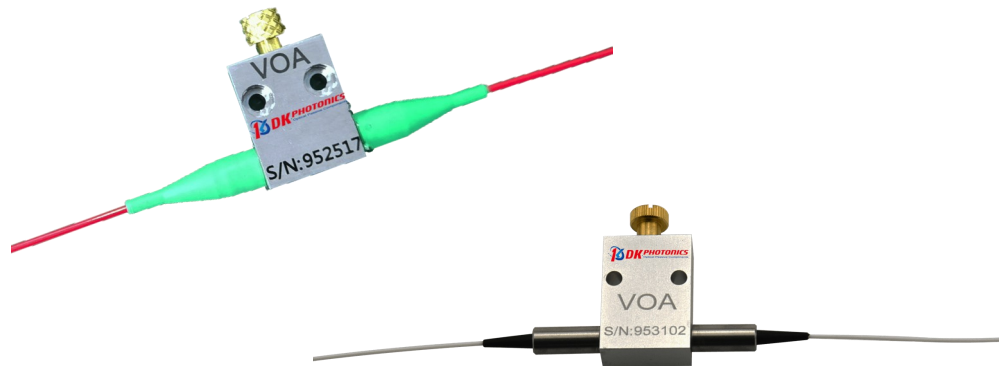
- Wide attenuation range
- High precision
- Low original loss
- Compact size

### Applications

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

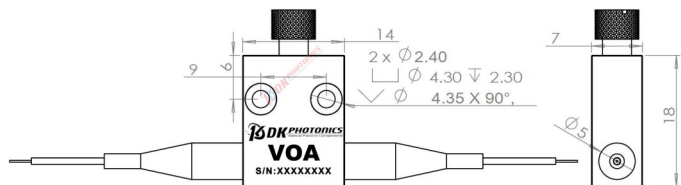
1550nm single mode Mechanical Variable Optical Attenuator is a useful tool for the optical components and systems test. The SM Manual Variable Optical Attenuator is designed and manufactured to reduce the output optical power, get the power suitable. It is with low insertion loss, high extinction ration, 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.

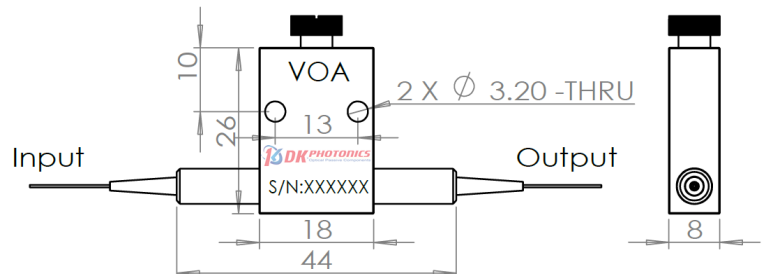


### Package Dimen-

#### 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

### Please contact us at:

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## 1550nm single mode Mechanical Variable Optical Attenuator

### Performance Specifications

Parameter	Unit	value	
Grade	-	P	A
Center Wavelength	nm	1550	
Operating Wavelength Range	nm	±50	
Max. Original loss	dB	0.5	1.0
Attenuation range	dB	0.5 ~ 60	1.0 ~ 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 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
13: 1310nm	P:P Grade	S: Standard	S28: SMF-28e	90:900μm	08:0.8m	00: None
14: 1480nm		M: Mini size	XX: fiber name	20:2.0mm	10:1.0m	FP: FC/PC
15: 1550nm				30:3.0mm	XX: Others	FA: FC/APC
XX: Others						XX: Others

**Part Number Example:** VOA-15-P-S-S28-90-10-FA

**Description:** 1550nm 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.

### Ordering Information for Custom Parts

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