

1064nm single mode Mechanical Variable Optical Attenuator

Key Features

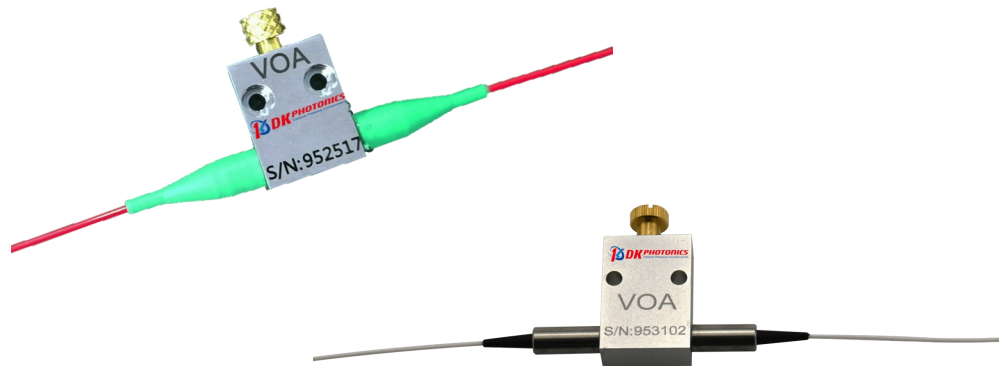
- Wide attenuation range
- High precision
- Low original loss
- Compact size

Applications

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

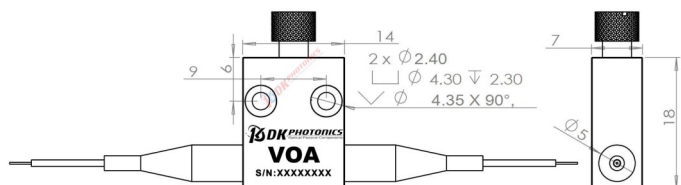
1064nm single mode Mechanical Variable Optical Attenuator is a useful tool for the optical components and systems test. The SM Manual Variable Optical Attenuator is designed and manufactured to reduce the output optical power, get the power suitable. It is with low insertion loss, high extinction ration, 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.

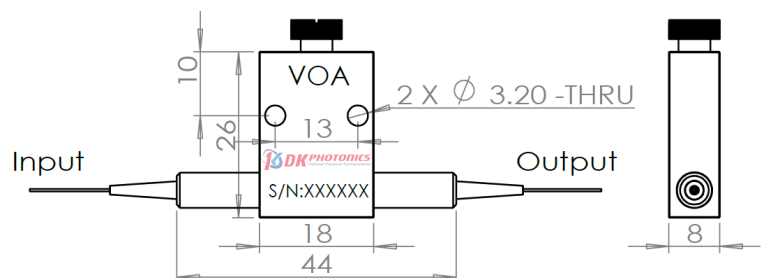


Package Dimen-

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

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1064nm single mode Mechanical Variable Optical Attenuator

Performance Specifications

| Parameter | Unit | value | |
|----------------------------|---------------|---------------|--------------------------|
| Grade | - | P | A |
| Center Wavelength | nm | 1064 | |
| 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 | - | 1060-XP 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 |
| 98: 980nm | P:P Grade | S: Standard | 06X: 1060-XP | 90:900μm | 08:0.8m | 00: None |
| 30: 1030nm | | M: Mini size | XX: fiber name | 20:2.0mm | 10:1.0m | FP: FC/PC |
| 64: 1064nm | | | | 30:3.0mm | XX: Others | FA: FC/APC |
| XX: Others | | | | | | XX: Others |

Part Number Example: VOA-64-P-S-06X-90-10-FA

Description: 1064nm SM Mechanical Variable Optical Attenuator, P grade, Standard size, 1.0m 1060-XP 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.