

Mini Type Manual Variable Attenuator (MVOA Series)

SR17733

Description

Mini Type Manual Variable Attenuator (MVOA) operates by manually moving a shading element into optical beam. The shading element can be integrating adjusted to get any attenuation value in a range. MVOA features low insertion loss, good resolution, high stability and good reliability. It applies for pre-emphasis attenuation, transmitter power control, in-line power equalization, and amplifier power control, etc.

Specifications

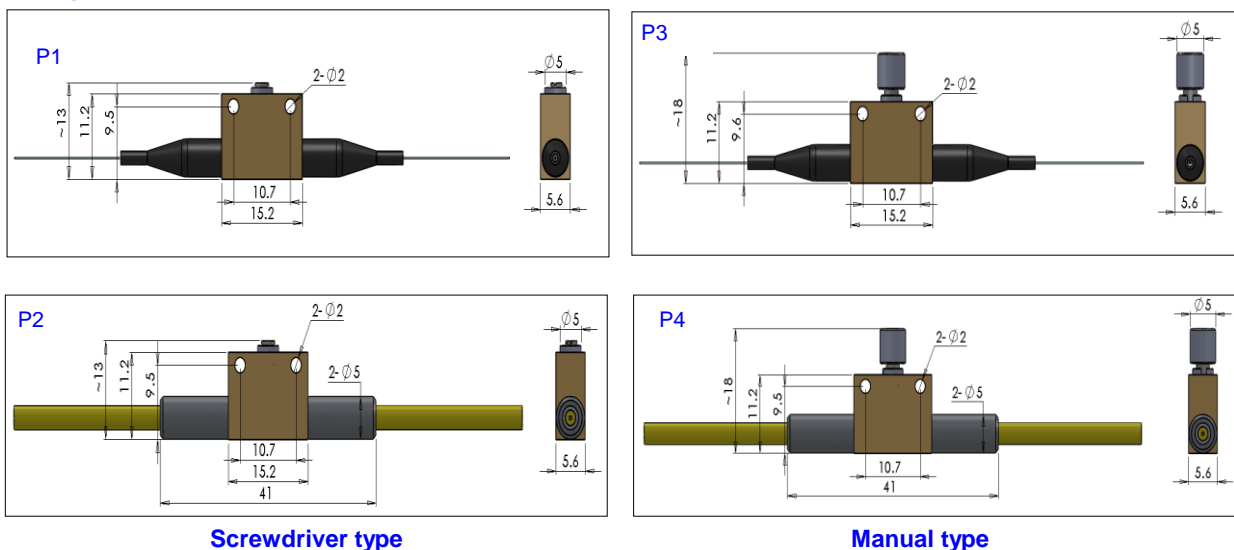
| Parameter | Unit | Value | | |
|--|-------|----------|--------------------|----------|
| Operating Center Wavelength (λ_c) | nm | 850 | 1064 | 1310 |
| Operating Wavelength Range | nm | ± 30 | ± 50 | ± 60 |
| Max. WDL, 23 °C, minimum attenuation | dB | 1 | 0.5 | 0.3 |
| Max. Excess Loss | dB | | 0.6 | |
| Min. Attenuation Range | dB | | to 60 (continuous) | |
| Min. Extinction Ratio (for PM fiber type) | dB | | 20 | |
| Max. PDL (for SM fiber type), 23 °C, λ_c , minimum attenuation | dB | | 0.05 | |
| Max.TDL at attenuation range, λ_c | dB/°C | | 0.01 | |
| Min. Return Loss (for SM or PM Fiber) | dB | | 55 | |
| Max. Optical Power (Continuous Wave) | mW | | 300 | |
| Operating Temperature | °C | | 0 to + 70 | |
| Storage Temperature | °C | | - 40 to + 85 | |
| Fiber Type | - | HI 780C | HI 1060 | SMF-28e+ |

¹IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

²TDL is exempted when attenuation value over 30 dB.

³PM 1310 fiber for 1310 nm and 3155 nm, PM 1550 fiber for 1480 nm and 1550 nm.

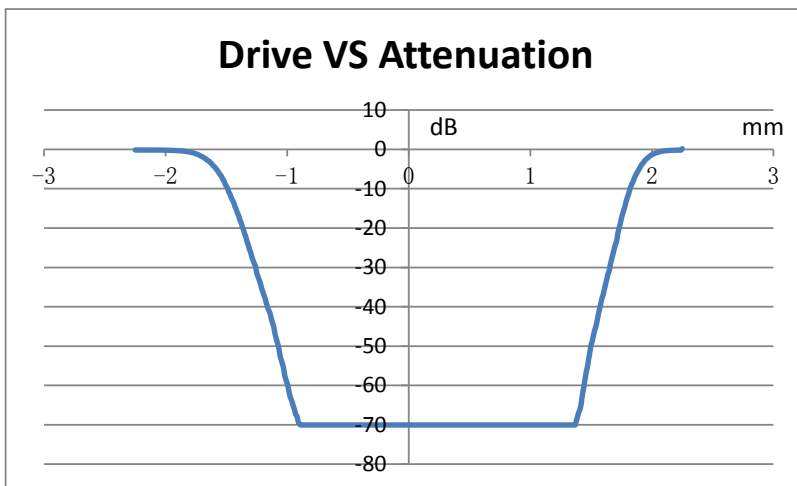
Package Dimensions



tolerance: x— ± 1 mm , x.x— ± 0.1 mm

¹ Note: Package type P1&P3 are designed for 250 μ m or 900 μ m fiber jacket and Package type P2&P4 are designed for 2 mm or 3 mm fiber jacket.

Attenuation Curve



Ordering Information

MVOA-①①①①-②-③-④-⑤-⑥

①①①①: Wavelength

850

1064

1310

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

2 - 2 mm Cable

3 - 3 mm Cable

⑤: Fiber Length

Q - 0.75 m

1 - 1.0 m

S - Specify

⑥: Package type

P1 - Turn with crewdriver

P2 - Turn with screwdriver

P3 - Turn with manual

P4 - Turn with manual

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