

MINI MECHANICAL VARIABLE OPTICAL ATTENUATOR THROUGH TYPE (MVOA-T3)

MVOA-T3 Series

Product Description

Oplink's Mini Manual Variable Optical Attenuator (MVOA-T3) uses a neutral density filter to attenuate light. It features high resolution, a wide dynamic range, and convenient manual adjustment. It has low insertion loss, low wavelength dependent loss, and low polarization dependent loss. It is designed for pre-emphasis attenuation, detector saturation control, in-line power equalization and amplifier power control.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

| Parameter | Single Window | Dual Window | Unit |
|--------------------------------------|--------------------|-------------------------------|------|
| Operating Wavelength Range | 1310±20 or 1550±50 | 1310±20 and 1550±50 | nm |
| Excess Insertion Loss ^[1] | ≤ 0.6 | ≤ 1.0 | dB |
| Attenuation Range | 0.6 ~ 30 | 1.0 ~ 30 | dB |
| Wavelength Dependent Loss | ≤ 0.20 | ≤ 0.30 | dB |
| Temperature Dependent Loss | | ≤ 0.20 | dB |
| Polarization Dependent Loss | | ≤ 0.15 | dB |
| Resolution | | ≤ 0.10 | dB |
| Return Loss ^[1] | | ≥ 45 | dB |
| Operating Power | | ≤ 300 | mW |
| Operating Temperature Range | | 0 to +70 | °C |
| Storage Temperature Range | | -40 to +85 | °C |
| Fiber Type | | Corning SMF-28 | |
| Package Dimensions | (P3) | 60.0 (L) × 16.0 (W) × 8.0 (H) | mm |

Notes:

¹⁾ Not include connector RL

²⁾ The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified.

Features

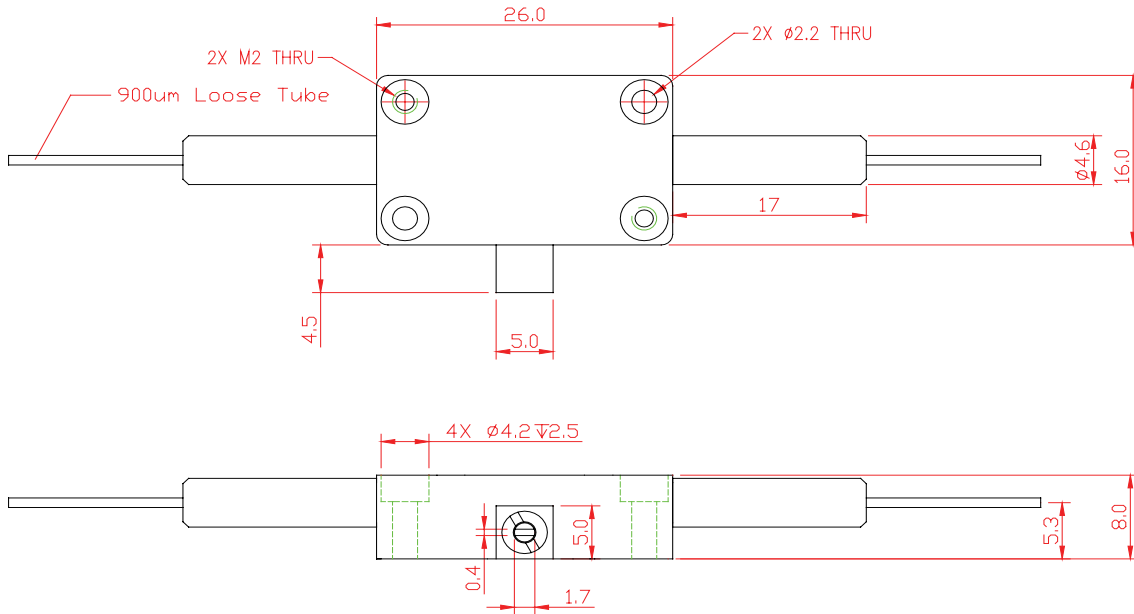
- ◆ Low Insertion Loss
- ◆ Wide Attenuation Range
- ◆ Low Back Reflection
- ◆ Dual Windows
- ◆ Low Wavelength and Polarization Dependent Loss (WDL / PDL)

Applications

- ◆ In-line Power Control in Multi-channel Optically Amplified System
- ◆ Transmitter Power Equalization
- ◆ Laboratory R&D

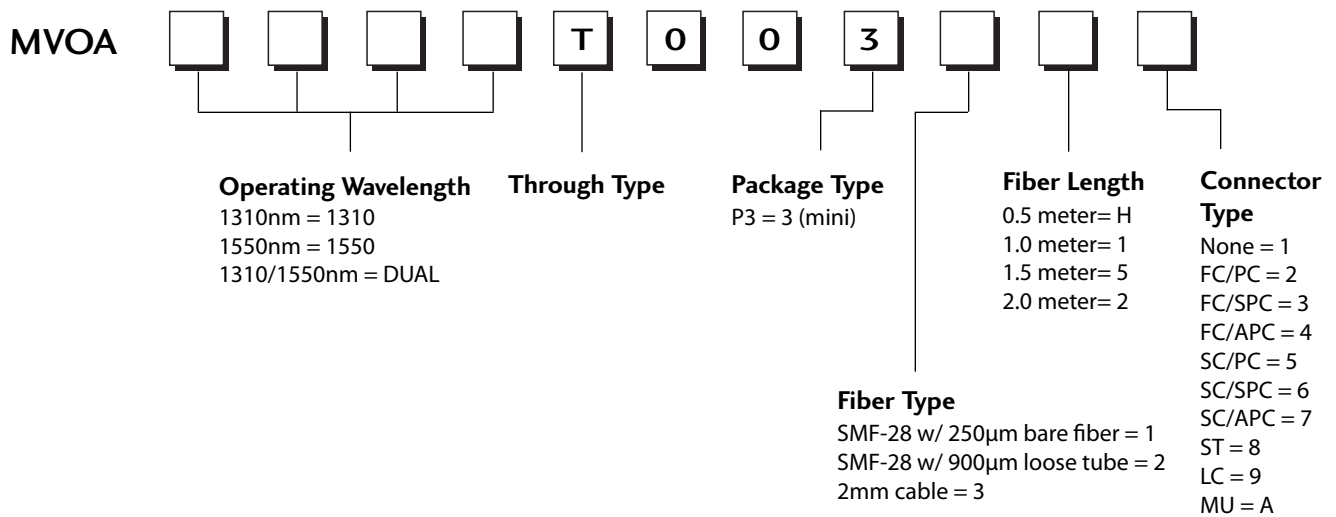
Mechanical Drawing / Package Dimensions (dimension in mm)

P3 (Mini) Package:



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.



* The tolerance of fiber length is +/-0.1m.
* 1 meter is standard. The lead time for special fiber length will be longer.