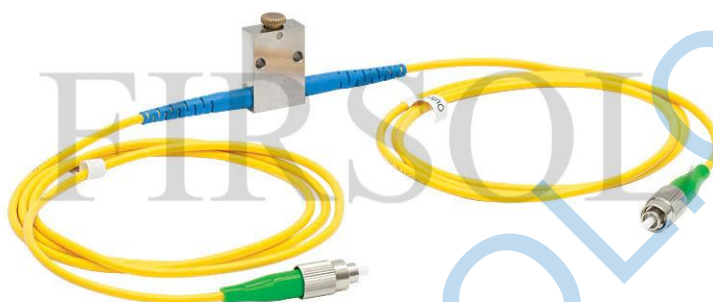


# Dual Band Single Mode In-Line Manual Variable Optical Attenuator



## Description

The Dual Band Single Mode In-Line Manual Variable Optical Attenuator is designed to operate across both 1310 nm and 1550 nm wavelength windows, enabling flexible optical power control in multi-wavelength fiber systems. It eliminates the need for separate attenuators and is ideal for testing, telecom networks, and DWDM applications.

## Features

- Wide Wavelength Operating Range
- Compact Size
- High Stability
- High Reliability

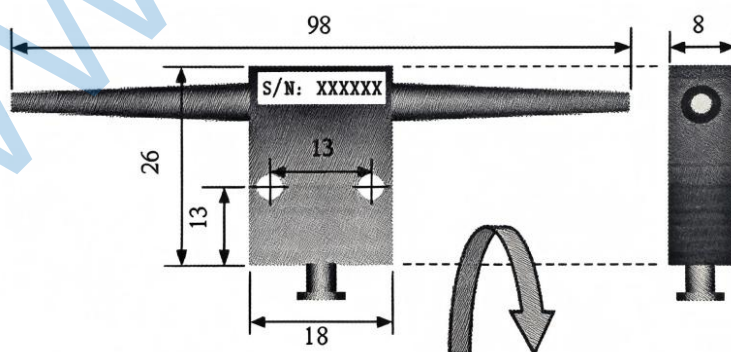
## Applications

- Fiber Laser
- Fiber Optic Amplifier
- Fiber Optic Sensing
- Fiber Optic Communication

## Specifications

| Parameter                   | Unit | Value       |
|-----------------------------|------|-------------|
| Center Wavelength           | nm   | 1310/1550   |
| Operating Wavelength Range  | nm   | 1260 ~ 1650 |
| Insertion Loss              | dB   | ≤0.8        |
| Attenuation Range           | dB   | 0.8 - 60    |
| Polarization Dependent Loss | dB   | ≤0.1        |
| Return Loss                 | dB   | ≥50         |
| Max Optical Power (CW)      | mW   | 500         |
| Fiber Type                  | -    | SMF-28e     |
| Tensile Load (Max.)         | N    | 5           |
| Package Dimensions          | mm   | 26 x 18 x 8 |
| Operating Temperature       | °C   | -5 to +70   |
| Storage Temperature         | °C   | -40 to +85  |

## Product Dimensions



## Ordering Information

| <input type="text"/> nm | <input type="text"/> mW | <input type="text"/> | <input type="text"/> m | <input type="text"/> $\mu$ m/mm | <input type="text"/> |
|-------------------------|-------------------------|----------------------|------------------------|---------------------------------|----------------------|
| Center Wavelength       | Max Optical Power (CW)  | Fiber Type           | Pigtail Length         | Pigtail Diameter                | Connector            |
| 1310/1550nm             | 500mW                   | SMF-28e              | 0.5m                   | 250 $\mu$ m Bare Fiber          | None                 |
|                         |                         |                      | 1.0m                   | 900 $\mu$ m Loose Tube          | LC/UPC               |
|                         |                         |                      | 1.5m                   | 2.0mm                           | LC/APC               |
|                         |                         |                      | 2.0m                   | 3.0mm                           | SC/UPC               |
|                         |                         |                      |                        |                                 | SC/APC               |
|                         |                         |                      |                        |                                 | FC/UPC               |
|                         |                         |                      |                        |                                 | FC/APC               |
|                         |                         |                      |                        |                                 | ST/UPC               |
|                         |                         |                      |                        |                                 | ST/APC               |