



Part #: F1-0045

FEATURES

- Simple to Install, Attaches Anywhere on Cable
- For 3mm Jacketed Singlemode Cable
- Adjustable Attenuation of 0 to >47dB at 1550nm
- Attenuation of 0 to >21dB at 1310nm
- Low Back Reflection
- Reusable, No Lasting Effects on Cable

The FIS Fiber Optic Clip On Variable Attenuator is a completely passive device, which works by physical attenuation of 3mm jacketed singlemode fiber optic cable. You can attach this fiber optic attenuator at any point in a cable, to achieve attenuation levels from 0 to >47dB at 1550nm, or 0 to >21dB at 1310nm. This fiber optic clip on attenuator is good for hundreds of uses, and it leaves no lasting effects on your fiber optic cable. Since this fiber optic attenuator does not require fiber optic connectors, it is a great way for you to achieve attenuation without producing back reflections.

The Fiber Optic Clip On Variable Attenuator measures 1 1/2 inches long, and has a 3/4 inch diameter. We also offer many other attenuator styles and In Line (male to female), so you are sure to find one suited to your needs and preferences. These include In-Line Fixed, Collimator Variable, Air-Gap Variable, 3-Step, and Washer-Style attenuators. When choosing an attenuator, consider attenuation range, wavelength range, resolution, and any polarization dependent loss (PDL) requirements.

SPECIFICATIONS

Length	1 1/2"
Diameter	3/4"
Operating temperature range	-40C to +70C (see note below)
Thermal stability	+/- 2dB

ATTENUATION LEVELS

1550 SM	>17dB +/- 1.5	>36dB +/- 2
1310 SM	>10dB +/- 1.5	>21dB +/- 2

Note: The Clip-On Attenuator is best suited to indoor applications at or below room temperature. Due to a softening of the cable jacket at elevated temperatures, an attenuation level that is set at room temperature and then subjected to high temperatures (>40C) will drop significantly (>5dB). Once this drop has occurred, the attenuation stability is +/-2dB, regardless of temperature. The Clip-On attenuator is not intended as a precision device. It is designed to be a quick, easy, and effective way to introduce a variety of attenuation levels into a system, and then be removed when attenuation is no longer needed.