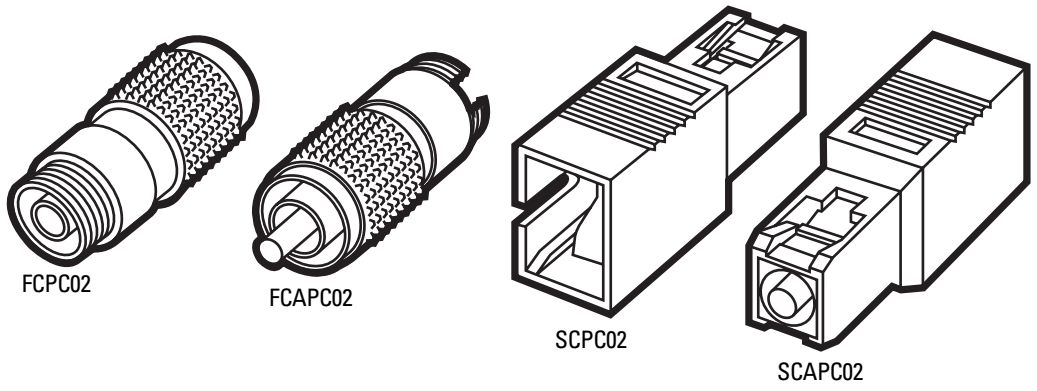
BLACK BOX®
NETWORK SERVICES

SINGLE-MODE FIBER OPTIC IN-LINE ATTENUATORS



Eliminate fiber optic signal distortion.

Key Features

- ***Low back reflection.***
- ***Wide wavelength range.***
- ***Compact and rugged housing.***
- ***Wide selection of connectors: FC/PC, SC/PC, FC/APC, SC/APC.***
- ***Protects receiver from being overdriven.***
- ***Lets you evaluate receiver sensitivity as a function of optical power.***

Optical attenuators have many uses in CATV, LAN, and telecommunications LAN applications. When a fiber device is very close to another one, the signal is extremely strong. The light signal doesn't have time to attenuate or lose strength as it travels down the fiber. This is called *receive saturation.*

Receiver padding and characterization protect your receiver from being overdriven with a front-end attenuator. Evaluate receiver sensitivity as a function of optical power.

With the Single-Mode Fiber Optic In-Line Attenuators, you can accurately match optical power levels within multiple fiber runs.

You can also verify the operation and configuration of OTDR and optical source/detector test sets.

Specifications

Attenuation: 2, 5, or 10 dB

Attenuation Tolerances: 2 or 5 dB: ±1.0 dB; 10 dB: ±1.5 dB

Cable Type: Single-mode

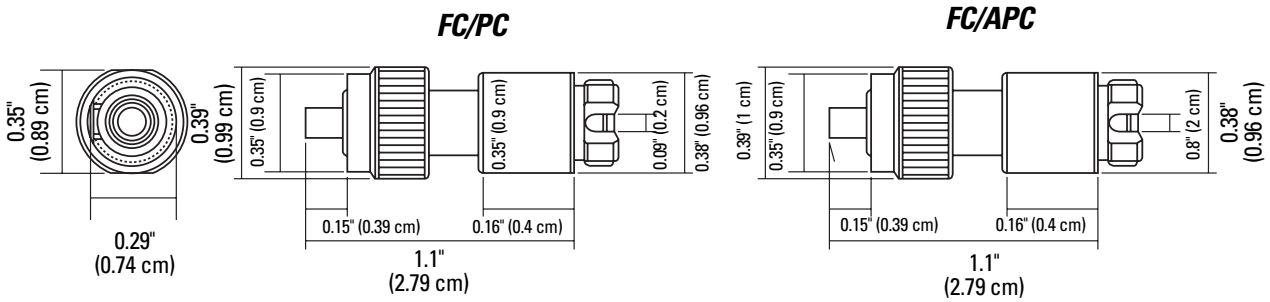
Connectors: FC, PC, SC, APC

Insertion Loss: 2, 5, 10

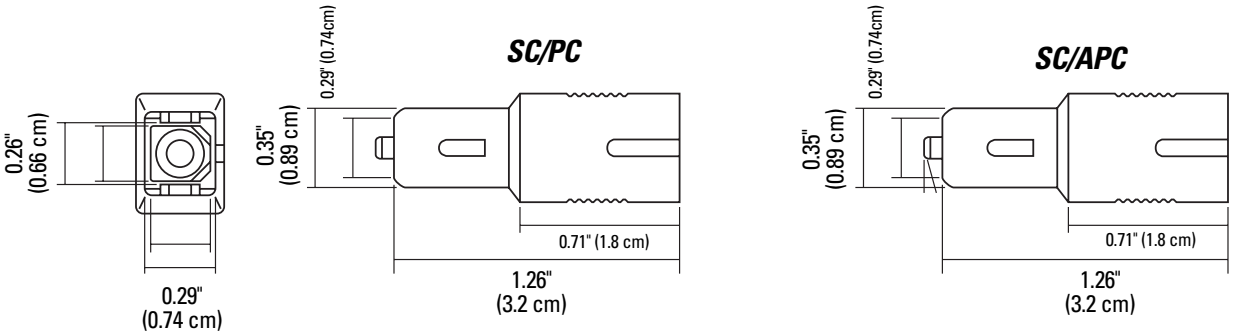
Return Loss: PC connectors: -55 dB typical; APC connectors: -65 dB typical

Wavelength: 1310 to 1500 nm

In-Line FC Attenuator



In-Line SC Attenuator



Ordering Information

ITEM	CODE
Fiber Optic In-Line Attenuators, Single-Mode, M/F	
FC/PC, 2 dB	FCPC02
5 dB	FCPC05
10 dB	FCPC10
SC/PC, 2 dB	SCPC02
5 dB	SCPC05
10 dB	SCPC10
FC/APC, 2 dB	FCAPC02
5 dB	FCAPC05
10 dB	FCAPC10
SC/APC, 2 dB	SCAPC02
5 dB	SCAPC05
10 dB	SCAPC10