

Single-Mode Fiber Optic In-Line Attenuators

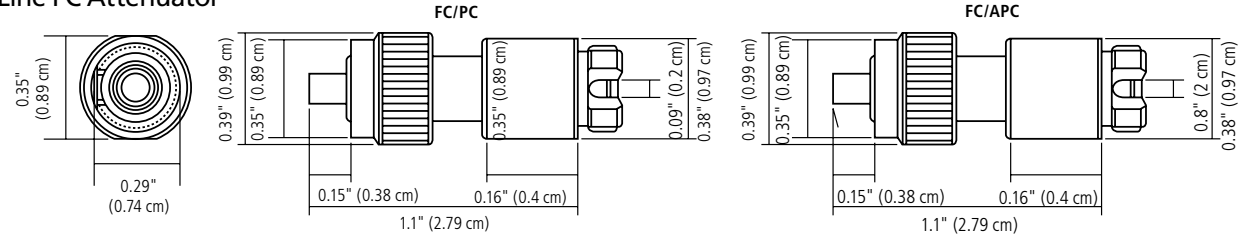
**Eliminate fiber optic
signal distortion.**



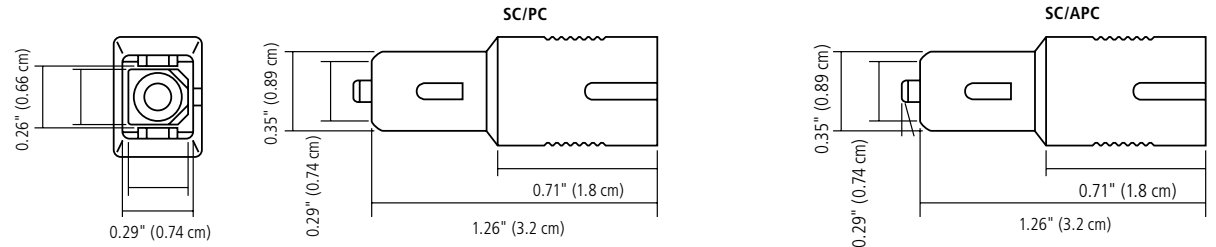
FEATURES

- » Low back reflection.
- » Wide wavelength range.
- » High-precision doping technology.
- » Protect receiver from being overdriven.
- » Let you evaluate receiver sensitivity as a function of optical power.
- » Precision zirconia alignment sleeve.

In-Line FC Attenuator



In-Line SC Attenuator



OVERVIEW

Use [Single-Mode Fiber Optic In-Line Attenuators](#) to accurately match optical power levels to cut down on fiber optic transmission problems.

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

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, causing light to be reflected back along the cable. This is called receive saturation. It causes signal distortion and dropped data, and can even damage delicate components.

You can solve this problem by using [Single-Mode Fiber Optic In-Line Attenuators](#). They feature a guaranteed return-loss of -55 dB for PC-type contacts and -60 dB for APC-type contacts. To achieve fixed return loss, the attenuators use a doped single-mode fiber compatible with 1310- or 1550-nm wavelengths.

[Single-Mode Fiber Optic In-Line Attenuators](#) are available with a wide variety of connectors with attenuation levels ranging from 2 to 20 dB.

All attenuators feature a precision zirconia alignment sleeve in a compact, rugged housing. They install in-line between the fiber optic device and the end of the fiber optic cable.

Item

Code

Fiber Optic In-Line Attenuators, Single-Mode, Male/Female		Code
FC/PC,	2-dB	FCPC02-0
	5-dB	FCPC05-2
	10-dB	FCPC10-16
SC/PC,	2-dB	SCPC02-2
	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
LC/PC,	2-dB	LCPC02
	5-dB	LCPC05
	10-dB	LCPC10
	15-dB	LCPC15
	20-dB	LCPC20
LC/APC,	2-dB	LCPAC02
	5-dB	LCPAC05
	10-dB	LCPAC10
	15-dB	LCPAC15
	20-dB	LCPAC20