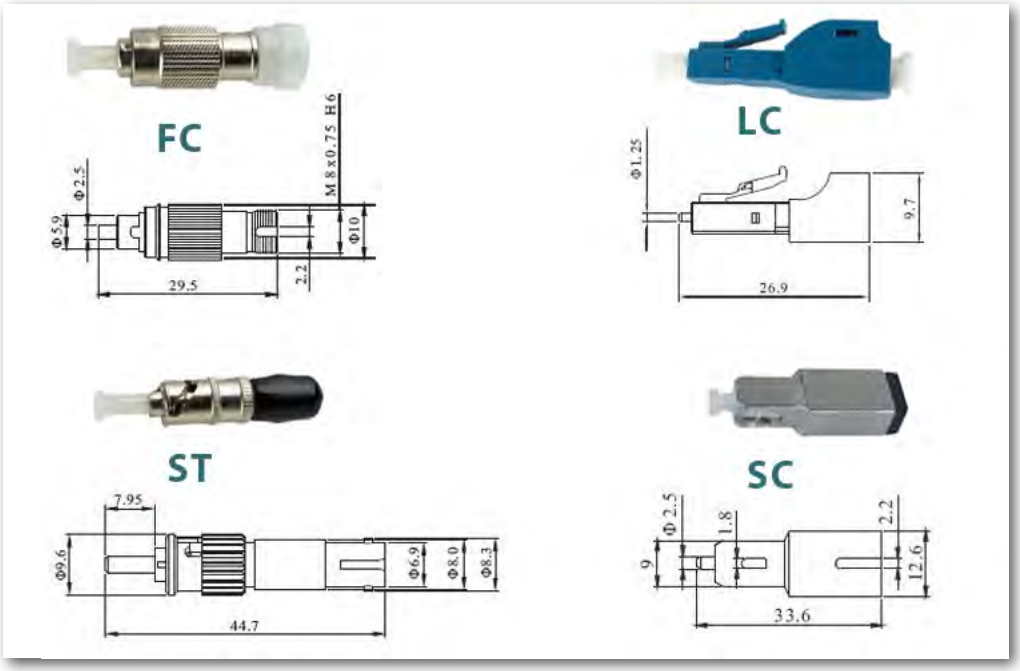
FIBER OPTIC ATTENUATOR

Fixed In-Line Attenuators for Precise Attenuation of Optical Signal | **Low Attenuation Tolerance**



Fiber Optic Attenuators
(Bellcore Compliance)

OptoSpan offers high quality fixed in-line fiber optic attenuators ranging from 3- 25dB. Available in FC/APC, SC/APC, LC, and ST; these attenuators feature a male connector at the front end and a female socket adaptor at the back. Each attenuator is made with continuous light-absorbing and metal-ion doped fiber which provides excellent environmental stability and low back reflection. With this simple yet reliable structure, attenuators are added to the optical path without extra connectors.

OptoSpan's attenuators are passive devices designed to reduce the amplitude of a light signal without significantly changing the wave form itself. Manufactured to precise industry specifications, OptoSpan attenuators feature low PDL (0.1db) and stable wavelength distribution, making them perfect for DWDM systems. Well-suited for high-power applications such as Erbium Doped Fiber Amplifier (EDFA); attenuators can withstand over 1W of high power light exposure for long periods of time.

SPECIFICATIONS

	Wavelength	
	1310nm and 1550nm	850 nm
■ Attenuation Tolerance	1-10dB<±0.5dB 11-25dB<±(5%xA)	2dB, 5dB, 10dB <± 0.5dB 15dB <±(5%xA)
■ Return Loss	RL≤ -50dB (UPC) RL≤ -60 db (APC)	---
■ PDL	<0.1dB	
■ Operating Temperature	-40°C~ + 85°C	
■ Storage Temperature	-40°C~ + 85°C	

AVAILABILITY

■ Connectors	LC, FC, ST, SC
■ Wavelength	Multi-mode and Single-mode
■ Attenuation (dB)	3, 5, 10, 15, 20, 25

Metal-ion Doped Fiber

Attenuators feature a proprietary type of metal-ion doped fiber which reduces light signals passing through.

Wavelength Independent

Attenuators low Polarization Dependent Loss (PDL) and independent wavelength distribution makes them suited for DWDM.

Withstand High Power Light

Attenuators can handle over 1 W of high power light exposure for an extended period of time. Well suited to EDFA and high- power applications.

Applications

-Telecommunication networks
-CATV
-LAN&WAN
-Networking
-Broadband
-FTTX
-WDM networks

OptoSpan, New York • Tel: (877) 819-0484 • www.OptoSpan.com
Inquiries: sales@optospan.com