

# Fiber optic products

OPCSUN could offer three kinds of LC attenuators.

Plug-in fixed type attenuator—female to male

Adapter fixed type attenuator—male to male

In-line fixed type attenuator

Fiber optic attenuator is a passive device used to reduce the amplitude of a light signal without significantly changing the wave form itself. This is often a requirement in Dense Wave Division Multiplexing (DWDM) and Erbium Doped Fiber Amplifier (EDFA) applications where the receiver cannot accept the signal generated from a high-power light source.

## MATERIAL

Metal part: Nickel Plated Zinc Alloy and stainless steel

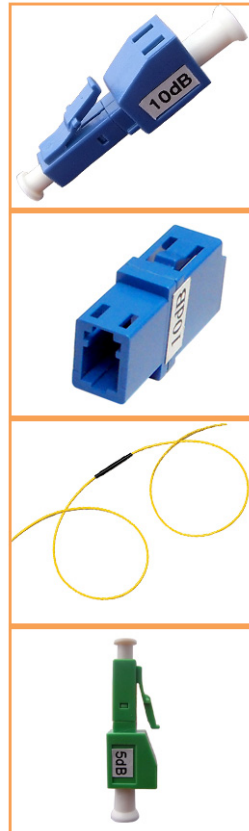
Plastic part: PBT 20% FRP

Ferrule: Zirconia Ceramic

OPTONEST'S ATTENUATOR OPTICAL FIBER

Operating Bandwidth: 1240~1600nm OR 1310nm, 1550nm  
Return Loss: UPC $\geq$ 55db ,APC $\geq$ 65db

Attenuation Tolerance:  
1~10db $\pm$ 0.5db & 10~30db $\pm$ 10%  
Vibration: 10~55hz(2hr)  
Maxi Optical Input Power: 200mw



Attenuation Range: 0-30db  
Available Wavelengths:1310nm or 1550nm  
Fixed Attenuation Value:  
1、 2、 3、 5、 10、 15、 20db or Optional  
Return Loss: PC $\geq$ 50 db, APC $\geq$ 60 db  
Polarization Dependent Loss: $\leq$ 0.2db  
Temperature Range: -40°C-80°C

Attenuation Range: 0-30db  
Attenuation Tolerance:  
1~10db $\pm$ 0.5db & 10~30db $\pm$ 10%  
Available Wavelengths:  
1310nm, 1550nm, 1310&1550nm  
Wavelength Dependence: $<$ 0.3db  
Change In Insertion Loss For  
1310-1550 nm.  
Return Loss: UPC $\geq$ 55db ,APC $\geq$ 65db

## FEATURES

- GR-910, UL94-V0 Compliant
- Durable For High-Input Power
- Ideal For WDM Application
- Precise Control of Attenuation Range
- High Return Loss
- High Reliability

## APPLICATIONS

- Power Level Adjustment Of Optical Fiber Communication Networks.
- EDFA
- Dynamic Power Leveling in Optical Add/Drop Multiplexing
- Dynamic Power Balancing in DWDM Systems
- CATV Systems
- Optical Network Equipments
- Bi-Directional Systems

