

Fiber optic products

OPCSUN could offer three kinds of FC attenuators.

Plug-in fixed type attenuator—female to male

Adapter fixed type attenuator—male to male

In-line fixed type attenuator

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

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

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.

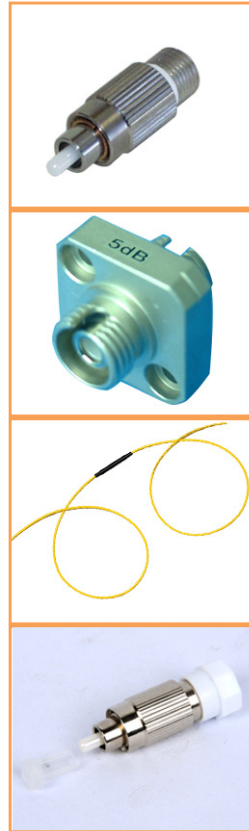
MATERIAL

Metal part: Nickel Plated Zinc Alloy and stainless steel

Plastic part: PBT 20% FRP

Ferrule: Zirconia Ceramic

OPTONEST'S ATTENUATOR OPTICAL FIBER



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

