

Fiber optic products

OPCSUN could offer three kinds of SC 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

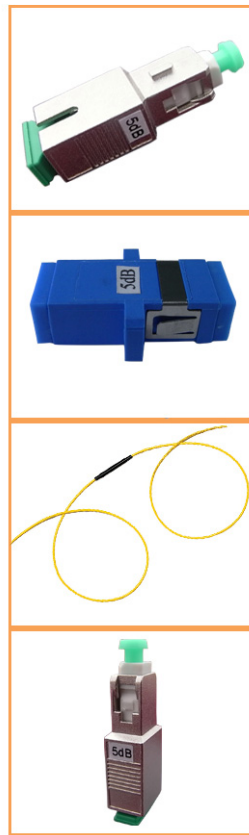
Plastic part: PBT 20% FRP

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: UPC \geq 50 db, APC \geq 60 db
Polarization Dependent Loss: \leq 0.2db
Temperature Range: -40 $^{\circ}$ C-80 $^{\circ}$ 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

