

# Fiber optic products

OPCSUN Could Offer Three Kinds Of SC Attenuators.

Plug-In Fixed Type Attenuator—Female To Male

In-Line Fixed Type Attenuator

OPERATING BANDWIDTH: 1240~1600nm or 1310nm, 1550nm  
RETURN LOSS: UPC  $\geq$  55DB  
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

OPTONEST'S ATTENUATOR OPTICAL FIBER



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

