

Fiber optic products

OPCSUN could offer three kinds of MU attenuators.

Plug-in fixed type attenuator—female 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: $U_{pc} \geq 55\text{db}$
Attenuation Tolerance:
1~10db $\pm 0.5\text{db}$ & 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

Attenuation Range: 0-30db
Attenuation Tolerance:
1~10db $\pm 0.5\text{db}$ & 10~30db $\pm 10\%$
Available Wavelengths:
1310nm, 1550nm, 1310&1550nm
Wavelength Dependence:
<0.3db Change in Insertion Loss For
1310-1550 nm.
Return Loss: $U_{PC} \geq 55\text{db}$



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