

LC Attenuator

The fiber optical attenuator is a fiber-coupled device used to reduce or balance the power of the light transmitted from one device to another device, used in fiber optic communications to the the power level of a fiber cable by controlling the amount of signal loss that is passed through the signal.

Application

- Dense Wave Division Multiplexers (DWDM)
- Overpowered fiber optic systems
- CATV Fiber Optic Sensor
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- Optic Instrumentation
- Testing instrumentation



Specification

Item	Adapter Type Fixed Attenuator
Attenuation Range	0-30dB
Available Wavelengths	1310nm or 1550nm
Fixed attenuation value	1,2,3,5,10,15,20dB or optional
Return Loss	≥50 dB (UPC) , ≥60 dB (APC)
Attenuation Accuracy	+/-0.5 (1-5) dB , +/-10% (6-30) dB
Polarization Dependent Loss	≤0.2dB
Temperature Range	-40°C ~ 80°C
Humidity Range	+/- 0.2 dB Change in 10% to 90% relative Humidity Range.
Vibration	≤0.1 dB change between 10Hz to 55Hz.
Drop	+/- 0.2dB after 8 drops (3 axes) from 1.8 meters onto a hardsurface.

Item	Plug-in Fixed Attenuator
Operating Wavelength	SM: 1200-1600nm or 1310nm, 1550nm . MM: 850nm, 1300nm
Return Loss	≥50 dB (UPC) , ≥60 dB (APC)
Attenuation Accuracy	+/-0.5 (1-5) dB , +/-10% (6-30) dB
Polarization Dependent Loss	≤0.2dB
Maximum Optical Input Power	200mW
Operating Temp. Range	-40 ~ 80° C