

SC & LC Attenuator



Description

- A 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.
- SC & LC attenuator feature a proprietary type of metal-ion doped fiber which reduces the light signal as it passes through. This method of attenuation allows for higher performance than fiber splices or fiber offsets or fiber clearance, which function by misdirecting rather than absorbing the light signal. SC or LC attenuator is capable of performing in the 1310 nm and 1550 nm for Single-Mode.
- SC & LC attenuator is capable of withstanding over 1W of high power light exposure for extended periods of time, making them well-suited to EDFA and other high-power application.
- Low Polarization Dependent Loss (PDL) and a stable and independent wavelength distribution make them ideal for DWDM.

Features

- Metal-ion doped fiber (continuous)
- Simple and Reliable Structure
- Durability (well over 1 W) (EDFA)
- Wavelength Independent (DWDM)
- Low Polarization dependence
- Compliant with Bellcore GR-910-CORE
- Compliant with IEC61754-4
- All parts compliant with RoHS

Application

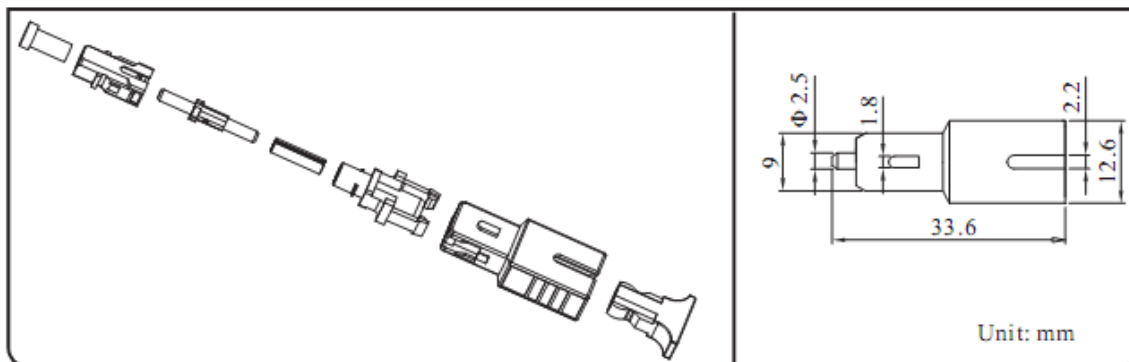
- Telecommunication networks
- CATV & LAN
- Data networks
- Passive Optical Networks

Parameter

Item	Specifications
Wavelength	1310nm ~ 1550nm (Single-Mode)
Attenuation	1-10dB<±1.0dB
Tolerance(dB)	11-25dB<±(10%×A)*
Return Loss	RL≤ -50dB (UPC) RL≤ -60dB (APC)
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
Note: A = Attenuation Value	

Appearance & Dimension

SC Attenuator



LC Attenuator

