



# Fixed Attenuator

## LC Fixed Attenuator

### Description

Our Ceramic Zirconia Ferrule sticks are manufactured Fiber optic attenuator is a device used to reduce the power level of an optical signal, either in free space or in an optical fiber. The basic types of optical attenuators are fixed, step-wise variable, and continuously variable.

### Feature

- High return loss
- Simple structure
- Max operation power (0.5W)
- Low wavelength relativity
- Low polarization related loss
- Compact design

### Application

- Fiber optical distributing frame
- Fiber optical network system
- Hi-speed fiber optical transmission system
- CATV system
- Long distance DWDM system
- Optical add-drop multiplexers(OADM)

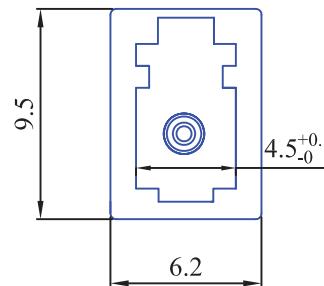
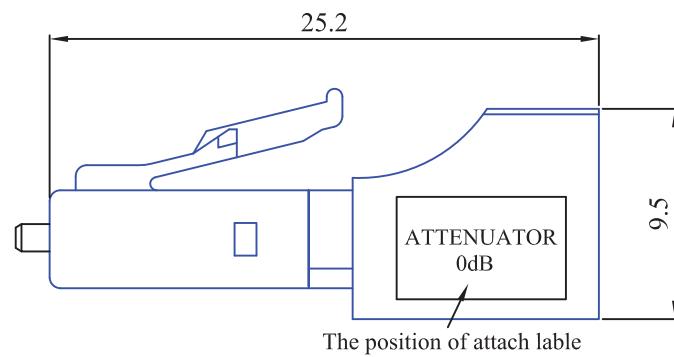


**LC Fixed Attenuator**

### Specification:

Attenuation value	1 3 5 10 15 20 25 dB
Attenuation precision	1~9dB( $\pm 0.5$ dB) $\geq 10$ dB( $\pm 10\%$ dB)
Return Loss	PC>40dB APC>55dB
Operation wavelength	1310nm and 1550nm(SM)
Polarization loss	$\leq 0.1$ dB
Operation temperature	-40°C ~ +70°C
Temperature(Unencapsulation)	95%RH Apply to Telecordia standard(GR-910-CORE)

A | B | C | D | E | F | G | H



Attenuation(dB)	1,3,5,10,15,20,25
Tolerance(dB)	$<5\text{dB} \pm 0.5\text{dB}$ $<10\text{dB}^{+0.5}_{-10\%}$ $\geq 10\text{dB}^{+0.8}_{-10\%}$
Return loss(dB)	PC>45
Testing Wavelength(nm)	1310/1550
WorkingWavelength(nm)	1260~1620
Working temperature(°C)	-40~+75°C
Storage temperature(°C)	-40~+80°C

#### Requirements:

1. All parts without damage, crack, smudge and deformation.
2. Ferrule without smudge and others.
3. Label put in the located position which is smooth, neat and tidy.

Title	LC Attenuator		
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams	<input checked="" type="checkbox"/>	XH 睿和光电科技有限公司 XH Opto Tech Co.,Ltd
Date	2018	Page: 1-1	