



# Fixed Attenuator

## SC 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



SC Fixed Attenuator

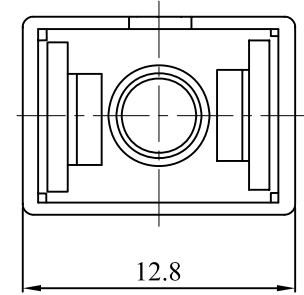
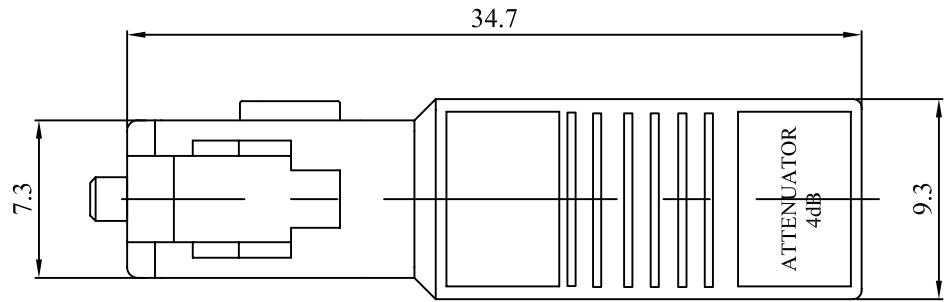
### Application

- 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)

### 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 $> 40$ dB APC $> 55$ dB
Operation wavelength	1310nm and 1550nm(SM)
Polarization loss	$\leq 0.1$ dB
Operation temperature	-40 $^{\circ}$ C ~ +70 $^{\circ}$ C
Temperature(Unencapsulation)	95%RH Apply to Telecordia standard(GR-910-CORE)

A B C D E F G H



Attenuation value	1 3 5 10 15 20 25 or other
Attenuation precision	≤5dB(±0.5dB); 6~10dB(-10%~+0.5dB); >10dB(-10%~+1dB)
Return loss	PC≥40 APC≥55dB
Operation wavelength	1310nm and 1550nm(SM)
Polarization loss	<0.1dB
Operation temperature	-40~+75°C
Storage temperature	-40~+80°C

SC Attenuator

Title	SC Attenuator		
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		曦和光电科技有限公司
Date	2018	Page: 1-1	XH Opto Tech Co.,LTd