



Fixed Attenuator

FC 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.



FC Fixed Attenuator

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)

Specification:

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

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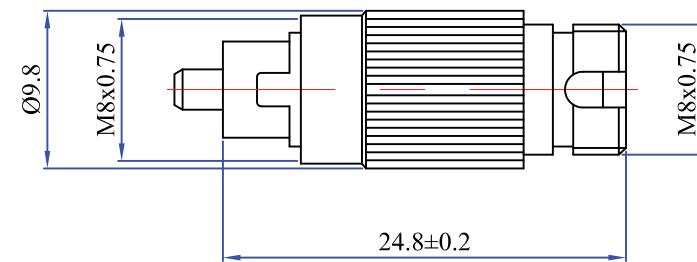
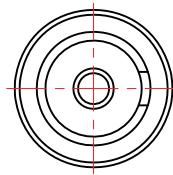
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Attenuation value	1,3,5,10,15,20,25 or other $\leq 4\text{dB}(\pm 0.5\text{dB})$
Attenuation precision	$5\sim 10\text{dB}(-10\% \sim +0.5\text{dB})$; $>10\text{dB}(-10\% \sim +1\text{dB})$
Return loss	$\text{PC} \geq 40$ $\text{APC} \geq 55\text{dB}$
Operation wavelength	1310nm and 1550nm(SM)
Polarization loss	$<0.1\text{dB}$
Operation temperature	-40~+75°C
Storage temperature	-40~+80°C



Technical Requirements:

- Material: made of Nickel plated copper.
- The dimensions showing on the drawing are just for reference.

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