



1、 Description

The male-female attenuator is connected to a fiber optic connector at one end and a fiber optic adapter at the other end. Its attenuation is fixed, unadjustable. This range of fixed attenuator is mainly used to reduce optical power to target value in optical links. The attenuation value is in range of 0 to 30dB, which are all applicable for optical signal with wavelength ranging from 1250nm to 1600nm.

2、 Features

- Excellent Changeability and Directivity
- 100% optic test (Insertion Loss)
- Accurate attenuation
- Max operation power (0.5W)
- Low polarization related loss
- Individual package available
- Standard sleeve, Various adaptor option: LC、 SC、 FC、 ST、 MU etc.

3、 Specification

Item	Parameter	
Connector Type	ST、 SC、 FC、 LC、 MU	
Fiber Type	SM	MM

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Color	Blue, Green, Metallic	Beige, Metallic, Aqua
Testing Wavelength	1310nm, 1550nm	850nm, 1300nm
Insertion Loss	0~30dB	
Return Loss	PC≥ 50dB, APC≥ 60dB	PC≥ 25dB
Attenuation Tolerance	0~5dB(±0.5dB) 5~30dB(±10%)	
Power Handling	≤200mW	
Housing Material	Plastic or metal	
Alignment Sleeve	Ceramic (ZrO2) or customized	
Operating Temperature	-20°C to +70°C	
Storage Temperature	-40°C to +85°C	

4. 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)