



## 1、 Description

This series of flange attenuator has the same appearance as a regular fiber optic adapter. It achieves attenuation of optical signal by setting up an attenuation film inside a fiber optic adapter to ensure incomplete touch with fiber connectors. Due to this principle, the flange attenuator is a great fiber optic attenuation solution for fiber optic patch cords in an optical link.

As a trusted and dedicated manufacturer of fiber attenuators, we can supply a wide selection of adapter type attenuators. These flange optical attenuators are only suitable for fiber optic connectors with PC type ferrule end face. The attenuation value can be 1, 3, 5, 7, 10, 15 and 20dB, and thus our fixed attenuators are applicable for optical signal with wavelength ranging from 1250nm to 1600nm.

## 2、 Features

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

### 3. Specification

Item	Parameter	
Connector Type	ST, SC, FC, LC	
Fiber Type	SM	MM
Color	Blue, Green, Metallic	Beige, Metallic, Aqua
Testing Wavelength	1310nm, 1550nm	850nm, 1300nm
Insertion Loss	1, 3, 5, 7, 10, 15, 20dB ( $\pm 10\%$ )	
Return Loss	PC $\geq$ 50dB, APC $\geq$ 60dB	PC $\geq$ 25dB
Operating Bandwidth Range	1250~1650nm	
Housing Material	Plastic or metals	
Alignment Sleeve	Ceramic (ZrO <sub>2</sub> ) or customized	
Operating Temperature	-20°C to +70°C	
Storage Temperature	-40°C to +85°C	

### 4. Application

- Testing instruments
- Connection between devices
- Connection between fiber optic patch cords
- CATV, MANs, WANs
- FTTx