

# Fiber Optic Accessories

## Optical Attenuator (Adjustable Type)

### Overview

Adjustable fiber optic attenuator, also called variable fiber optic attenuator, usually is inline type, the appearance like fiber optic patch cord; it is with an adjustable component in the middle of the device to change the attenuation level to a certain figure. There are also handheld variable fiber optic attenuators; they are used as test equipment, and we have the inline fiber optic attenuators.



### Features

- Simple and reliable structure
- Wavelength independent
- Low polarization dependence
- High speed fiber optical transmission system
- Application: telecommunication network, CATV system, data network, passive optical network.

### Technical Specifications

Attenuation	1dB ~ 30dB
Operating Wavelength	Single mode 1310nm ~ 1550nm
	Multi-mode 850nm or 50/125um
Return Loss	UPC >55dB
	APC >65dB
Attenuation Accuracy	1 ~ 7 dB $\pm$ 0.5dB
	8 ~ 12 dB $\pm$ 0.7dB
	13 ~ 17 dB $\pm$ 1.0dB
	18 ~ 25 dB $\pm$ 1.3dB
Maximum Optical Input Power	1000mW
Polarization Dependent Loss	$\leq$ 0.1dB
Operating Temperature Range	-40 to 80
Storage Temperature Range	-50 to 85
Humidity	95%RH

