



OPTIC FIBER ATTENUATOR

1. Description

1. Variable Optical Attenuator is an important optical passive component in optical fiber communication. It can realize real-time control of signals by attenuating the transmitted optical power.

2. The variable optical attenuator can be combined with optical components such as optical wavelength division multiplexer (WDM), spectroscopic detector (TAP PD), and erbium doped fiber amplifier (EDFA) to form ROADM, VMUX, gain flat EDFA, etc.

3. various types of optical attenuators:SC type,LC type,FC type,ST type ; attenuation values from 1dB to 30dB.



2. Features

1. Low back reflection and Low PDL
2. High precision attenuation value
3. Precision control of attenuation range
4. Wide attenuation range

3. Applications

1. Fiber communication on system test
2. Optical passive component test
3. Optical add-drop multiplexer in the optical power regulator
4. Optical lab use
5. Subscriber loop
6. Fiber optical sensor
7. Testing equipment





4. Configuration table

Connector	FC,SC,ST,LC,MU,Hybrid,etc.
Attenuation Value	1dB ~ 30dB
Model	Fixed, In-line, Variable,Adapter (Female to Female), Connector (Male to Female)
Operating Wavelength	SM:1240 ~ 1620nm (Dual 1310/1550nm) MM:850/1300nm
Return Loss	UPC >55dB,APC >60dB
Attenuation Tolerance	+/-0.5 dB for 1 to 5dB attenuation +/-10% for 6 to 30dB attenuation
Maximum Optical Input Power: 200mW	
Polarization Dependent Loss: ≤0.2dB	
Exchangeability: ≤0.2dB	
Repeatability: ≤0.2dB	
Durability:≤0.2dB Typical 1000 matings	
Operating Temperature Range: -40 °Cto 75°C	
Storage Temperature Range: -40°C to 85°C	
Humidity: 95%RH	