



Specifications

Coupler

- Operating wavelength : 1310nm and 1550nm
- Fiber type : Single mode fiber
- Coupling ratio : 48.90 : 47.60
- Bandwidth : ± 40 nm
- Insertion loss : 3.23/3.46 dB

Isolators

- Operating wavelength : 1310nm 1550nm
- Fiber type : Single mode fiber Single mode fiber
- Insertion loss : 0.44dB 0.40dB
- Isolation loss : 32.80dB 30.37dB
- Return loss(inpu/outout) : >60/55dB >60/55dB

Attenuator

- Operating wavelength : 1310nm and 1550nm
- Attenuation level : 10dB ± 1.0
- Return loss : ≤ -24 dB
- Repeatability : ± 0.6 dB

WDM

- Wavelength range($\lambda_1\lambda_2$) : 1310nm /1550nm
- Fiber type : Single mode
- Insertion loss($\lambda_1\lambda_2$) : 0.03dB@1310, 0.07dB@1550
- Isolation : 26.32 dB (center wavelength)
- Bandwidth : ± 20 nm

Experiments

- To measure the attenuation in fiber optic attenuator
- To measure insertion loss of fiber optic isolator
- To measure isolation rate of fiber optic isolator
- To measure insertion losses of fiber optic coupler
- To measure coupling coefficient in fiber optic coupler
- To measure the insertion losses and coupling coefficient in fiber optic multiplexer
- Wavelength division multiplexing and de-multiplexing of analog / digital signals over 1310nm and 1550nm wavelengths

Note : FOL-Dual and FOL-PM is required

Note: Specifications are subject to change.