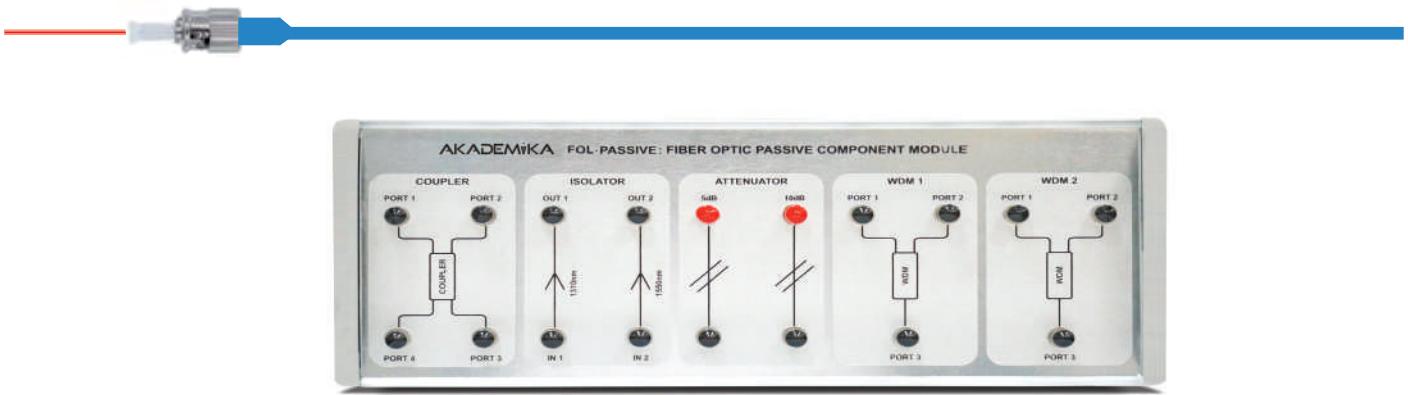


FOL-PASSIVE : Fiber Optic Passive Component Module



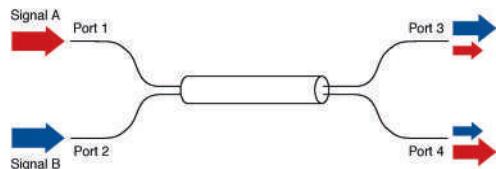
FEATURES

- It consists of industrial grade passive components like coupler, isolator, attenuator and WDM

SPECIFICATIONS

COUPLER

- Coupler is a passive component capable of combining two or more inputs into a single output.

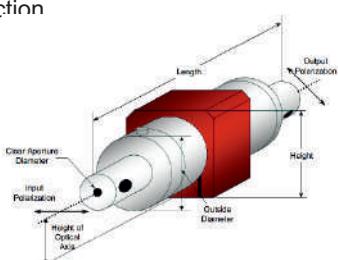


Coupler

- Operating Wavelength : 1310nm and 1550nm
- Fiber Type : Single mode fiber
- Coupling Ratio : 50 : 50
- Bandwidth : $\pm 40\text{nm}$
- Insertion Loss : 3.23/3.46 dB

ISOLATOR

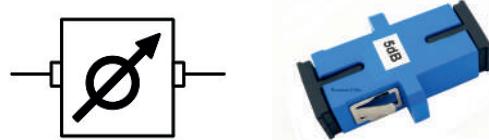
- Passive magneto-optic device that only allows light to travel in one direction



- Protect a source from back reflections or signals that may occur after the isolator
- Operating Wavelength : 1310nm 1550nm
- Fiber Type : Single mode Single mode fiber
- Insertion Loss : 0.44dB 0.40dB
- Isolation Loss : 32.80dB 30.37dB
- Return Loss(in /out) : >60/55dB >60/55dB

ATTENUATOR

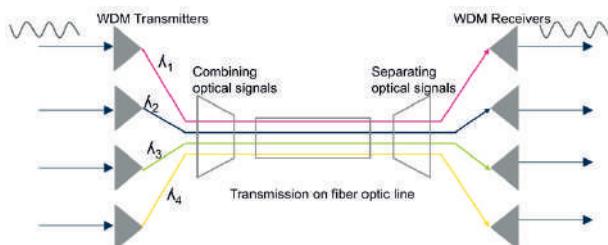
- An optical attenuator, or fiber optic attenuator, is a device used to reduce the power level of an optical signal



- Operating Wavelength : 1310nm and 1550nm
- Attenuation Level : $10\text{dB} \pm 1.0$
- Return Loss : $\leq -24\text{dB}$
- Repeatability : $\pm 0.6 \text{ dB}$

2X1 WDM

- In fiber-optic communications, wavelength-division multiplexing is a technology which multiplexes a number of optical carrier signals onto a single optical fiber by using different wavelengths of laser light



- Wavelength Range : 1310nm / 1550nm
- Fiber Type : Single mode
- Insertion Loss : 0.03dB @ 1310, 0.07dB @ 1550
- Isolation : 26.32 dB
- Bandwidth : $\pm 20\text{nm}$

