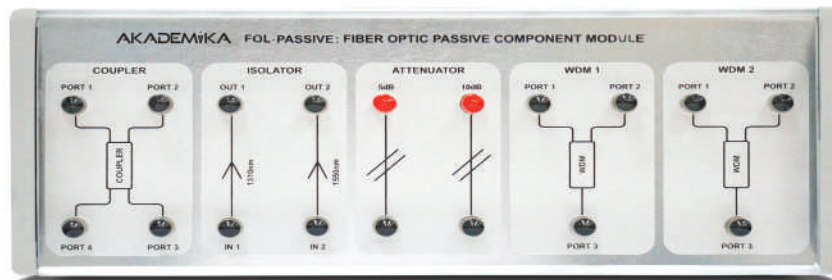


# FOL-PASSIVE : Fiber Optic Passive Component Module



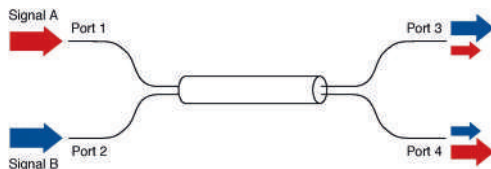
## FEATURES

- It consist 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.

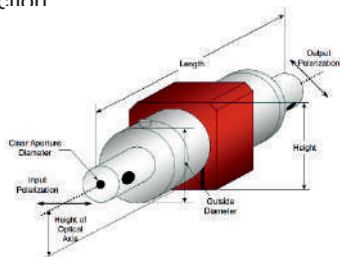


#### Coupler

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

### ISOLATOR

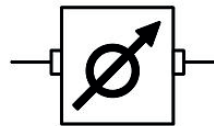
- Passive magneto-optic device that only allows light to travel in one direction



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

### ATTENUATOR

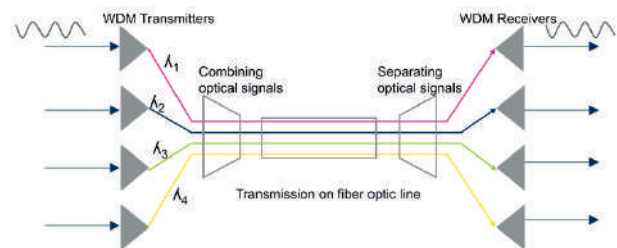
- An optical attenuator, or fiber optic attenuator, is a device used to reduce the power level of an optical signal



- Operating Wavelength : 1310nm and 1550nm
- Attenuation Level : 10dB  $\pm$  1.0
- Return Loss :  $\leq -24$ dB
- Repeatability :  $\pm 0.6$  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 (Center Wavelength) : 26.32 dB
- Bandwidth :  $\pm 20$ nm

