

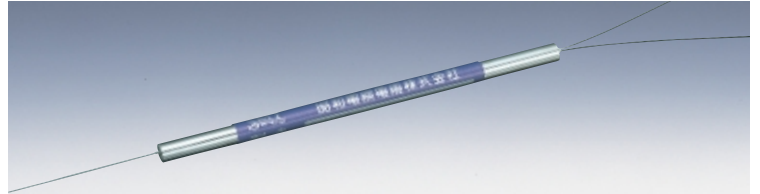
Fused Optical Fiber Coupler

Wideband WDM Fiber Coupler

This fiber fused wideband WDM coupler is composed of two common WDM couplers in one package. Therefore, the higher isolation over a broad wavelength range has been realized.

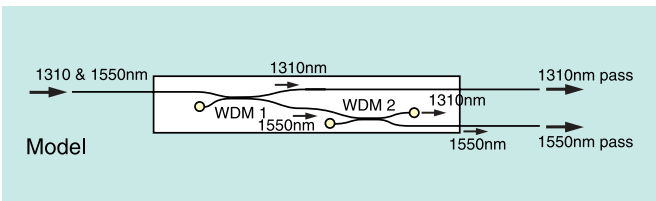
Features

- High isolation over a broad wavelength range
- Compact-in-size ($\phi 4 \times 73\text{mm}$)
- No filter type
- Available with various types of pigtail

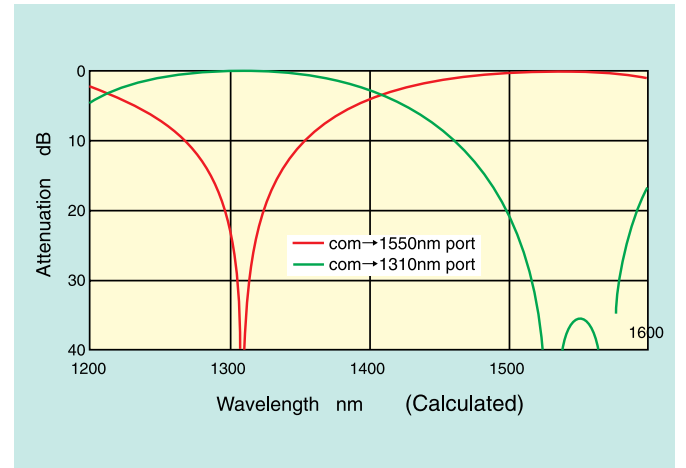
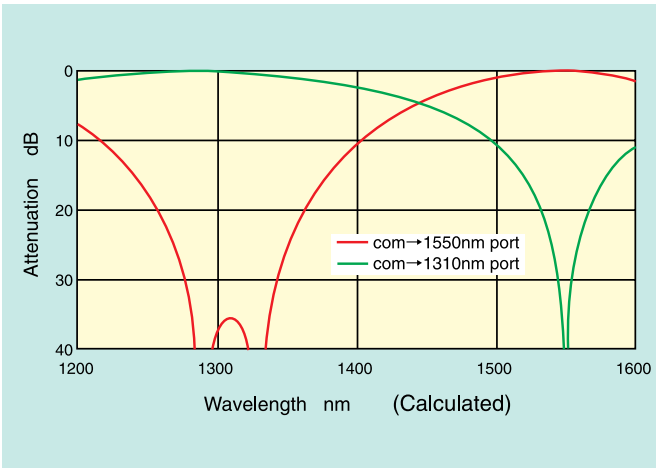
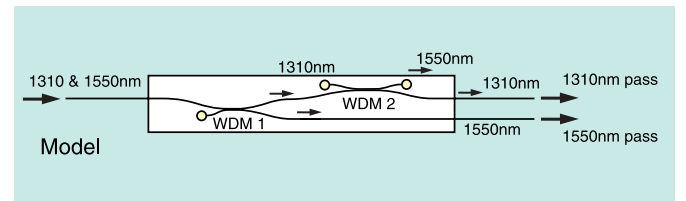


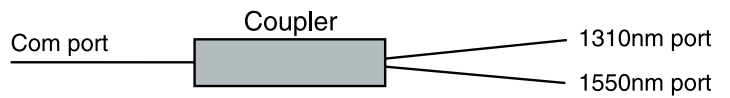
Characteristics

Type of High isolation in 1310nm range



Type of High isolation in 1550nm range





Specifications

Items	Unit	Port	Wavelength	Specification
Insertion Loss	dB	com → 1310nm port	1280 ~ 1335nm	≦ 1.5
		com → 1550nm port	1480 ~ 1580nm	≦ 2.5
Isolation	dB	com → 1310nm port	1480 ~ 1580nm	≧ 5
		com → 1550nm port	1280 ~ 1335nm	≧ 30
Return Loss	dB	com port	1280 ~ 1335nm	≧ 40
		1310nm port		
		1550nm port	1480 ~ 1580nm	
Directivity	dB	1550nm → 1310nm port	1480 ~ 1580nm	≧ 60
		1310nm → 1550nm port	1280 ~ 1335nm	
Package Dimension	mm	—	—	φ 4 × 73

Application example (PON Systems)

