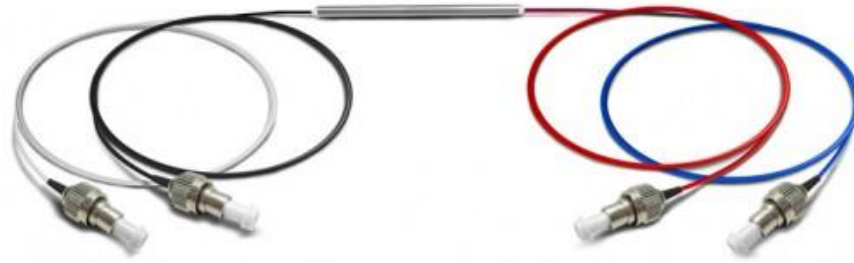


OPTICO SM WBC 2x2 FBT Coupler Datasheet

Widely used in the field of optical fiber sensing and test equipment.



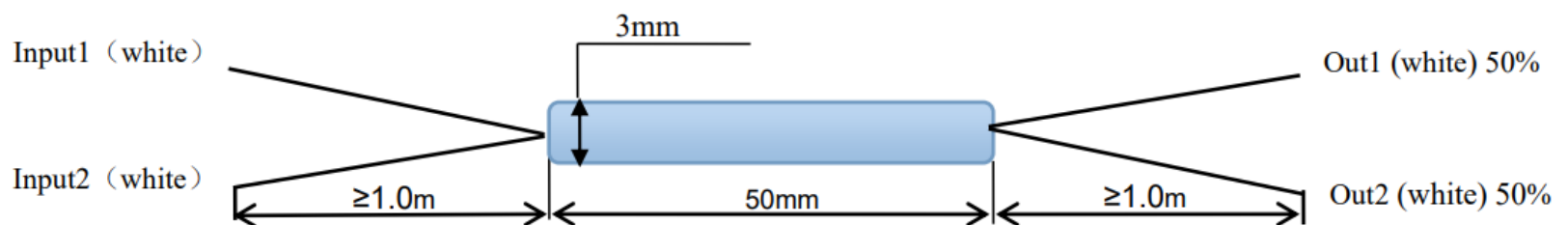
• Description

The splitting ratio of these couplers can be customized to any ratio. They are bidirectional, allowing any port to be used as an input. OPTICO offers a wide range of narrowband and wideband 2x2 Single Mode Fiber Optic Couplers, also known as taps, as highlighted in the table to the right. The 850 nm wideband couplers featured below are ideal for use in optical coherence tomography (OCT) applications; Additionally, OCT wideband couplers are also available with other center wavelengths.

• Features

- Low insertion loss
- High stability and reliability
- Low PDL
- Wide working wavelength range
- Compact design
- High stability and reliability
- 100% tested before delivery
- Mature production technology
- Fiber type: Nufern HP780,100KPSI

• Coupler drawing (Unit: mm):



• **Optical Specifications:**

Parameter	Unit	2*2-850-50/50-3*54-900um-FC/APC
Operating Wavelength	nm	850±15
Fiber Cut-Off Wavelength	nm	730nm±30nm
Fiber type	/	Nufern 780HP Fiber
Insertion loss	dB	≤4.0
Optical Return Loss (ORL) / Directivity	dB	≥60
Fiber Type	/	Nufern HP780
Uniformity	dB	≤1.2dB
PDL	dB	≤0.2
Dimensions	mm	OD 3.0x54
Pigtail Type	um	900
Connector type	/	OPTICO FC/APC
Operating temperature	°C	-40~75
Storage temperature	°C	-55~+85

• **Note:**

1. All parameters are without connectors
2. Connector loss:0.2dB added including connectors

• **Tips:**

Due to the COVID-19, sorry that you and our team couldn't visit face to face with each other. In order to make the customers know us more, please visit our VR factory, it is just like you were really standing in our factory. OPTICO Fiber Assemblies Production Line VR :<https://www.linked-reality.com/company/15555/en>