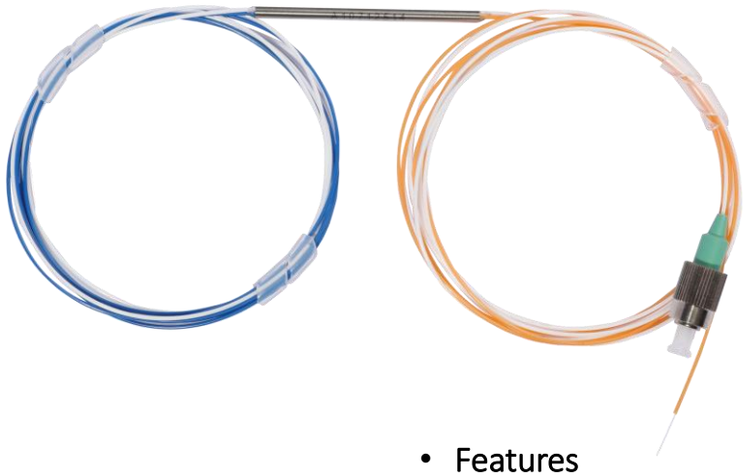
Wide Bandwidth 1300/650nm WDM Combiner

Widely used in optical network monitoring, optical fiber sensing, life science imaging.



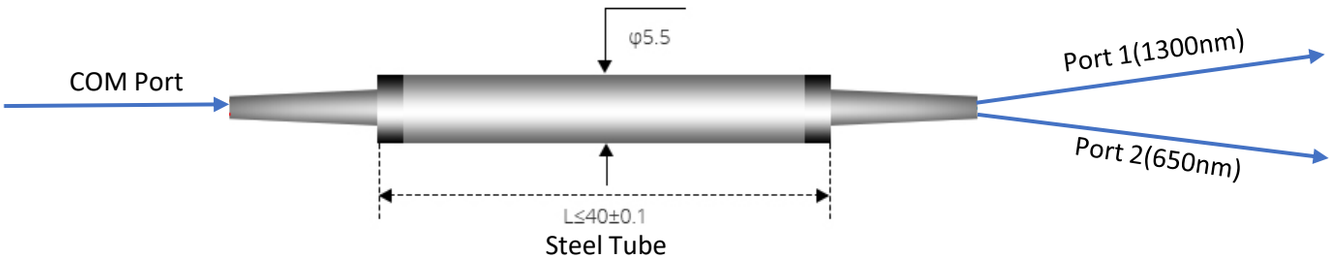
• Description

The 1300/650nm wideband WDMs are designed for combining an alignment beam at around 650 nm with a 1300 nm signal. They can handle a maximum power of 300 mW with connectors or bare fiber and a maximum power of 500 mW when spliced (see the Damage Threshold tab for more details). They should not be used to split light. Because of the large ±80 nm bandwidth at 1300 nm, this multiplexer is ideal for applications in life science imaging.

• Features

- Low insertion loss
- ±80 nm Bandwidth at 1300 nm
- High stability and reliability
- Wide working wavelength range
- Compact design
- High stability and reliability
- Combine a 1300 nm Signal with a 650 nm Alignment Beam
- 100% tested before delivery
- Mature production technology

• WDM Combiner drawing （Unit: mm):



- **Optical Specifications:**

Parameter	Unit	1*2-1300/650-WDM Combiner-5*38-900um	
Operating Wavelength	nm	1300nm	650nm
Bandwidth	nm	±80	+30/-20
Insertion loss	dB	≤0.5	≤1.5dB
Isolation	dB	≥13	N/A
PDL	dB	≤0.2	
Dimensions	mm	OD 5.5x38mm	
Pigtail Type	um	900	
Fiber Type	/	Corning SMF-28	
Max Power Level	/	300mW	
Connector type	/	OPTICO/SG FC Connector	
Operating temperature	℃	-40~85	
Storage temperature	℃	-40~+85	

- **Note:**

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

- **Tips:**

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