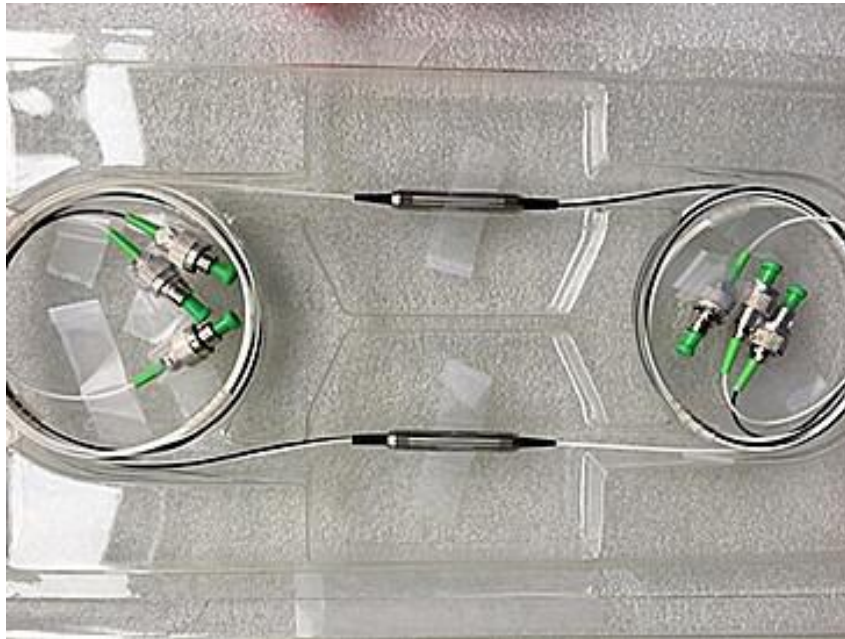


## 830/1310nm Single Mode Three Port WDM



### ● Product Description

Three-port wavelength division multiplexer, namely FWDM, is also called 3-wavelength wavelength division multiplexer, also known as three-wavelength filter wavelength division multiplexer. Three-wavelength wavelength division multiplexer refers to a wavelength division multiplexing device that fixes three specific wavelengths (1310/1490/1550). Because wavelength division multiplexers with other wavelengths are more widely used, the industry directly calls 3-wavelength wavelength division multiplexers FWDM. F stands for Filter, which means filtering. FWDM is

filter-type wavelength division multiplexing. In the optical fiber communication network, this three-port wavelength division multiplexer can be used to achieve two-way transmission of voice, video, and data. The three-port wavelength division multiplexer adopts the packaging that combines the filter principle and the collimator principle, and can customize any three wavelengths. The so-called FWDM directly refers to the wavelength division multiplexer with three wavelengths of 1310/1490/1550. All devices provided by Idealphotonics have undergone 24-hour high and low temperature cycle and drop tests, and the product quality is reliable and stable.

## ● Product features

Good working bandwidth、 Low-loss FWDM channel isolation、 High stability and reliability、 FWDM optical path glue-free process

## ● Part Number

MP-WDM-830/1310-SA

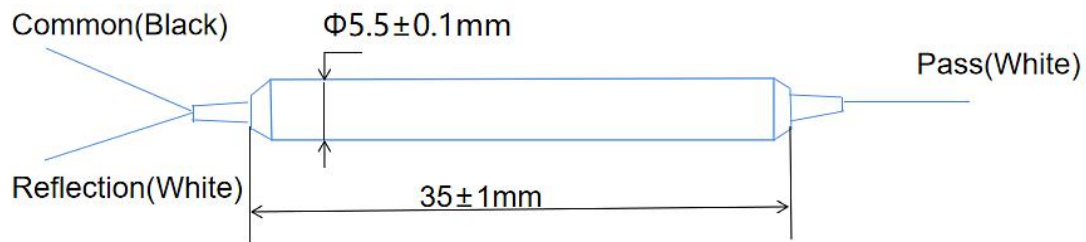
## ● Application area

Fiber optic communication system、 Optical equipment、 Optical amplifier、 Transmission and fiber laser、 System monitoring program

## ● Core parameters

Operating Wavelength	Operating power	Interface type
830/1310nm	≤300mW	FC/APC

## ● Dimension Drawing



## ● General Parameters

### Parameters

Parameter	Unit	Indicator	Testing date
Transmission wavelength	nm	1310	1310
Transmission end insertion loss	dB	≤1.3	0.8
Reflection wavelength	nm	830	830
Reflection end insertion loss	dB	≤1.1	0.86
Transmission end isolation	dB	≥30	30
Reflection end isolation	dB	≥13	13
PDL	dB	≤0.15	0.01
Return loss	dB	≥45	52



<b>Directivity</b>	<b>dB</b>	<b>≥50</b>	<b>55</b>
<b>Interface type</b>		<b>FC/APC</b>	
<b>Fiber type</b>		<b>900um loose tube, HI780</b>	
<b>Fiber length</b>	<b>m</b>	<b>&gt;0.8</b>	
<b>Operating power</b>	<b>mW</b>	<b>≤300</b>	
<b>Operating temperature</b>	<b>°C</b>	<b>0-+70</b>	
<b>Storage temperature</b>	<b>°C</b>	<b>-40-+85</b>	
<b>Dimensions</b>	<b>mm</b>	<b>5.5X35</b>	