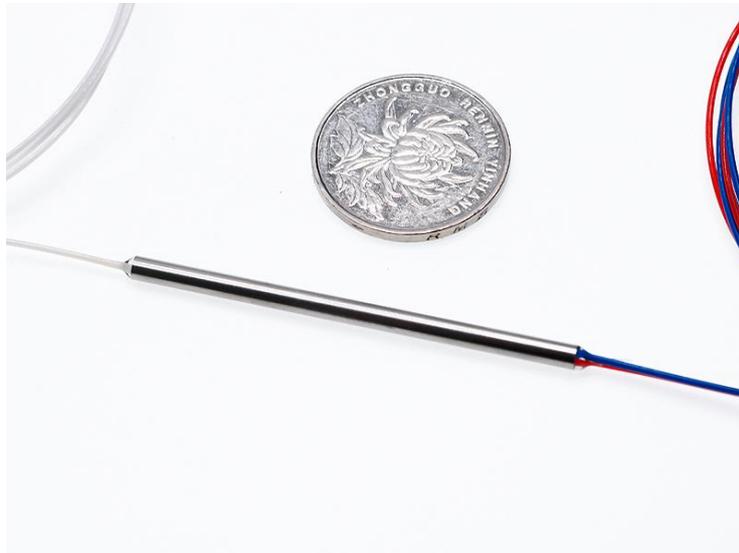




## 1480/1550nm polarization-preserving WDM

### FC/APC



- **Product Description**

The tapered wavelength division multiplexing product for optical communication has the advantages of low loss, low polarization-dependent loss, wide operating band and operating temperature range, and no glue in the optical path. This series of products can be used in wavelength division multiplexing systems, optical fiber sensing systems, and optical fiber

optical detection equipment.

- **Product features**

Wide operating wavelength range & wide temperature range、 Low insertion loss、 Low polarization-dependent loss and polarization mode dispersion、 Very high reliability and stability

- **Part Number**

MP-WDM-1480/1550-PA

- **Application area**

WDM systems、 Fiber optic sensing systems、 Fiber optic equipment、 Fiber lasers

- **Core parameters**

Center Wavelength	Operating Bandwidth	Connector Type
1480/1550nm	±20nm	FC/APC

## ● Dimension Drawing



## ● General Parameters

### Parameter

Parameters	Unit	Value	Note
Center wavelength (nm)	nm	980/1550 or 1480/1550	Other wavelengths can be customized
Insertion loss	dB	$\leq 0.5$	1550nm, 30mw, DFB
Isolation	dB	$\geq 16$	@25 degrees Celsius
Operating bandwidth	nm	$\pm 20$	Full temperature: -40-+75°C
Polarization-dependent loss	dB	$\leq 0.1$ dB	Other fiber types are available

<b>Wavelength-dependent loss</b>	<b>dB</b>	<b><math>\leq 0.2</math>dB</b>	<b>Other wavelengths can be customized</b>
<b>Fiber type</b>	<b>N/A</b>	<b>SMF-28E+</b>	<b>1550nm, 30mw, DFB</b>
<b>Polarization film dispersion</b>	<b>Ps</b>	<b>&lt;0.25</b>	
<b>Polarization dispersion</b>	<b>Ps</b>	<b>&lt;0.05</b>	
<b>Return loss (incoming/outgoing)</b>	<b>dB</b>	<b>&gt;55dB</b>	
<b>Maximum operating power</b>	<b>mW</b>	<b>500</b>	
<b>Operating temperature</b>	<b>°C</b>	<b>-5-70°C</b>	
<b>Storage temperature</b>	<b>°C</b>	<b>-40-85°C</b>	
<b>Test light source</b>		<b>1550nm benchtop light source</b>	
<b>Package size (mm)</b>		<b>As shown below</b>	

\*.All specifications are without connectors and are only valid at the above wavelengths, polarization states and temperatures.

\*\*Specifications are subject to change without prior notice.



## Order Info

MP-WDM- W□□□□ -☆-△-XX

W□□□□: Wavelength

9815:980/1550nm

1415:1480/1550nm

☆ : Pigtail Length

05:0.5m

1: 1m

10:10m

△: Loose Tube

B:Bare Fiber

9:900um Loose Tube

20:2mm Loose Tube

30: 2mm Loose Tube

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC