

## 1480/1550nm Single-Mode Wavelength

### Division Multiplexer FC/PC



- **Product Description**

IdealPhotonics' tapered wavelength division multiplexing (WDM) products for optical communication feature low loss, low polarization-dependent loss, a wide operating wavelength and temperature range, and an epoxy-free optical path. This series of products is suitable for use in WDM systems, fiber sensing systems, and fiber optic testing equipment.



- **Product features**

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

- **Part Number**

MP-WDM-1480/1550-SP

- **Application area**

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

- **Core parameters**

Center Wavelength	Operating Bandwidth	Connector Type
1480/1550nm	$\pm 20\text{nm}$	FC/PC

## ● 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



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

**Notes:**

\*. All specifications exclude connectors and are valid only at the specified wavelength, polarization state, and temperature above.

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



## Ordering 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