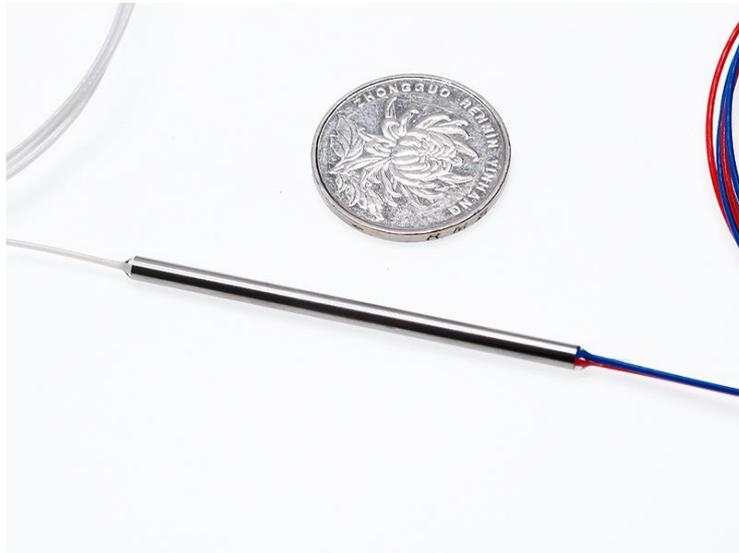


980/1550nm polarization-maintaining wavelength division multiplexer FC/APC



- **Product Description**

The wavelength division multiplexing products of IdealPhotonics for optical communication feature low loss, low polarization-dependent loss, a wide operating wavelength band and temperature range, and glue-free optical paths, offering superior performance. This series of products can be used in wavelength division multiplexing systems, fiber optic sensing systems, and



fiber optic optical detection equipment.

● Product features

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

● Part Number

MP-NIR-WDM-W9815-1-9-PA

● Application area

WDM systems 、 Fiber optic sensing systems 、 Fiber optic devices 、 Fiber lasers

● Core parameters

Center Wavelength	Operating Bandwidth	Connector Type
980/1550nm	±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	≤ 0.5	1550nm, 30mw, DFB
Isolation	dB	≥ 16	@25 degrees Celsius
Operating bandwidth	nm	± 20	Full temperature: -40-+75°C
Polarization-dependent loss	dB	≤ 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	

*.The above specifications do not include connector-related parameters and are only valid within the specified wavelengths, polarization state, and temperature ranges

**Specifications are subject to change without prior notice.



PN#/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

PA=PM1550+ FC/APC