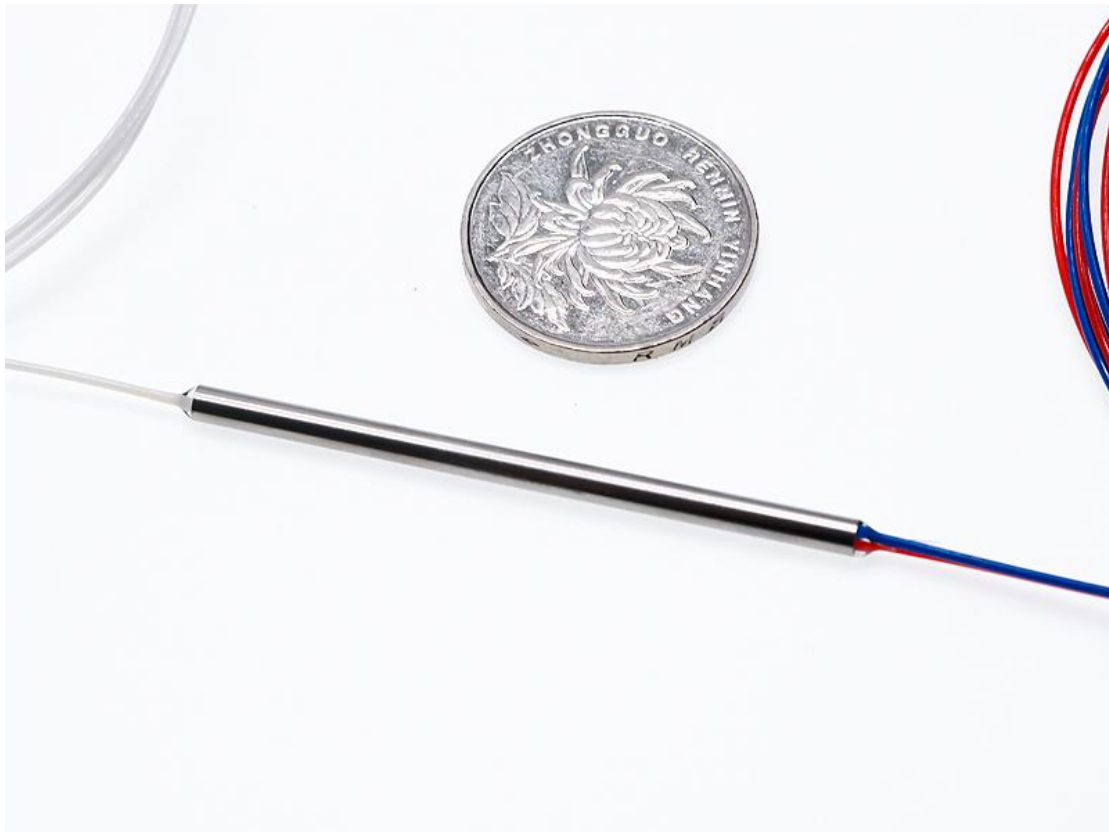


980/1550nm polarization-maintaining wavelength division multiplexer FC/APC



● 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.

● Part Number

NIR-WDM-W9815-1-9-PA

● Product features

Wide operating wavelength range & broad temperature range 、 Low insertion

loss 、 Small polarization-dependent loss and polarization mode dispersion 、

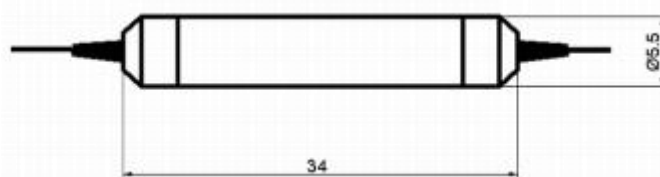
Extremely high reliability and stability

● Application area

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

Parameters

Dimensional Drawing



Parameter	Unit	Value	Remarks
Central 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° C
Operating Bandwidth	nm	± 20	Operating temperature: -40° C to +75° C
Polarization-Related Loss	dB	$\leq 0.1\text{dB}$	
Wavelength-Related Loss	dB	$\leq 0.2\text{dB}$	
Fiber Type	N/A	SMF-28E+/PM1550 etc. (SM or PM fiber)	Other fiber types available
Polarization Mode Dispersion	Ps	< 0.25	
Polarization Dispersion	Ps	< 0.05	

Return Loss (Input/Output)	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 in the diagram	

*.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

NIR-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