

# 1480/1550nm Single-Mode Wavelength Division Multiplexer FC/APC



## ● 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.

## ● Part Number

NIR-WDM-W1415-1-9-SA

## ● Product features

Wide operating wavelength range & temperature range 、 Low insertion loss 、

Low polarization-dependent loss and polarization mode dispersion 、

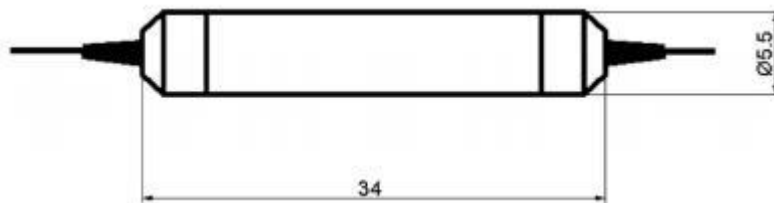
Extremely high reliability and stability

## ● Application area

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

## Parameters

### Dimensional Drawing



### Parameters

Parameter	Unit	Value	Remarks
Central 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° C
Operating Bandwidth	nm	$\pm 20$	Operating temperature: -40° C to +75° C
Polarization-Related Loss	dB	$\leq 0.1$ dB	
Wavelength-Related Loss	dB	$\leq 0.2$ 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	$> 55$ dB	
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	

#### 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**

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