

2000nm Single-mode Dual Stage Fiber Isolator



● Product Description

Idealphotonics' fiber isolator products can maintain excellent return optical isolation performance under any polarization state. It has low loss, high isolation, high return loss, low polarization-dependent loss, low polarization mode dispersion, wide operating band and operating temperature range, Optical path is free of adhesive. These properties provide the possibility for low-cost solutions for communication networks. This series of products can be used in erbium-doped amplifiers, wavelength division multiplexing systems, fiber optic equipment and lasers.



● Product features

Wide operating wavelength range & wide operating temperature range 、
Low insertion loss & high isolation 、 Polarization dependent loss and small
polarization mode dispersion、 Optical path without glue、 High reliability
and stability

● Part Number

MP-ISO-F-2000-A-D-SA-1

● Application area

Fiber Amplifier、 WDM & DWDM system、 Fiber equipment、 Fiber laser

● Core parameters

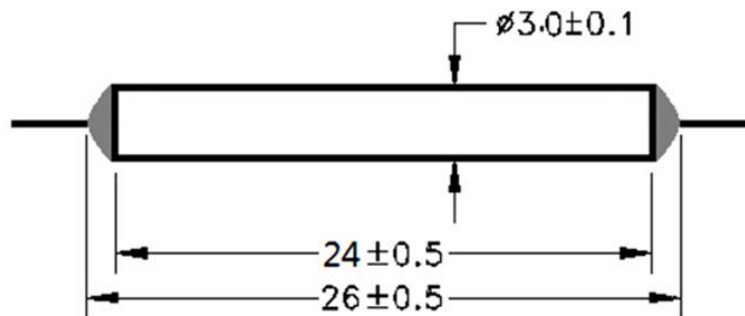
Center Wavelength	Isolation	Connector
2000nm	>35dB	FC/APC

● Dimension Drawing

Standard Size Fiber Isolator



Mini Fiber Isolator



● General Parameters

Parameters

Parameter	Unit	Parameter	Notes
Central wavelength (nm)	nm	2000	Other wavelengths can be customized
Insertion loss	dB	≤0.6	2004nm, 3mw, DFB
Isolation	dB	≥16 single stage	@25 degrees Celsius



		≥ 46 dB dual stage	
Isolation	dB	≥ 20	Full temperature: - 40- +75 °C
Polarization-dependent loss	dB	≤ 0.1 dB	
Fiber type	N/ A	Nufern SM1950	Other fiber types are available
Polarization film dispersion	Ps	< 0.25	
Polarization dispersion	Ps	< 0.05	
Return loss (incoming/outgoing)	dB	$> 60/ 55$ dB	
Maximum operating power	mW	500	
Operating temperature	°C	-5-70 °C	
Storage temperature	°C	- 40- 85 °C	
Test light source		2004nm benchtop light	
Package size (m)		As shown below	



Note:

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

**.Indicators are subject to change without prior notice.

Ordering Information

MP-ISO- W□□□□-SS-S○-P▽-☆-△-XX

W□□□□: Wavelength

0980:980nm

0850:850nm

1064:1064nm

1310: 1310nm

1550: 1550nm

2000: 2000nm

S○: Single / dual stage

11: single stage

22: dual stage

P▽: package

1:Standard

2:Mini

☆ : 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=SMF1950+ FC/APC

SP=SM1950+ FC/PC

PA=PM1950 Fiber+ FC/APC

PP=PM1950 Fiber+ FC/PC