

## 5W 1550nm Single-mode Dual Stage Fiber

### Isolator Isolation 45dB



#### ● 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, and no glue in the optical path. 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-1550-5-D-SA-1

## ● Application area

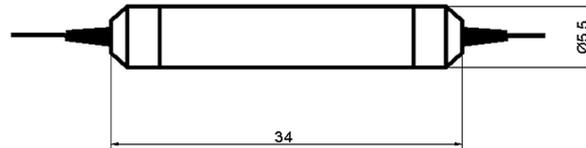
Fiber Amplifier、 WDM & DWDM system、 Fiber equipment、 Fiber laser

## ● Core parameters

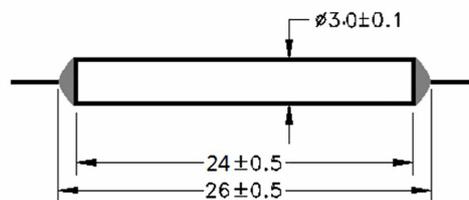
Wavelength	Operating Power	Single/Dual Stage
1550nm	5W	Dual Stage

## ● Dimension Drawing

Standard size fiber isolators



Mini fiber isolators



## ● General Parameters

Parameter	Unit	1*1			
Type		<5W High Power In-Line Optical Isolator (HPI)	5W-10W High Power In-Line Optical Isolator (HPI)		
Operating Wavelength	nm	1310/1550/1590			
Operating Bandwidth	nm	±20			
Single/Dual Polarity		Single Stage	Dual Stage	Single Stage	Dual Stage
Insertion Loss	dB	<0.45	<0.60	<0.50	<0.60



Isolation (A+/-15nm)	dB	29.00	46.00	28.00	45.00
PDL	dB	<0.10	<0.10	<0.10	<0.10
Max PMD	dB	0.05/0.20	0.05	0.05/0.20	0.05
Return Loss	dB	55.00			
Operating Temperature	Deg.	-5-75			
Storage Temperature	Deg.	-40-85			
Fiber Length	m	1.00±0.10			
Fiber Type		G657A1 or Customized			
Operating Power	W	<5W	5W-10W		
Dimensions	mm	5.5x36	60x12x8		

\*.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**

**1310: 1310nm**

**1550: 1550nm**

**2000: 2004nm**

**S○: Single/Dual stage**

**11: Single stage**

**22: Dual stage**

**P▽: Handling Power**

**1: 1w**

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**10: 10w**

**☆ : 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=SM--28e+ FC/PC**

**PA=PM1550 Fiber+ FC/APC**

**PP=PM 1550Fiber+ FC/PC**