



5W 1550nm Single-mode Single Stage Fiber

Isolator 28dB



- **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-S-SA-1

● Application area

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

● Core parameters

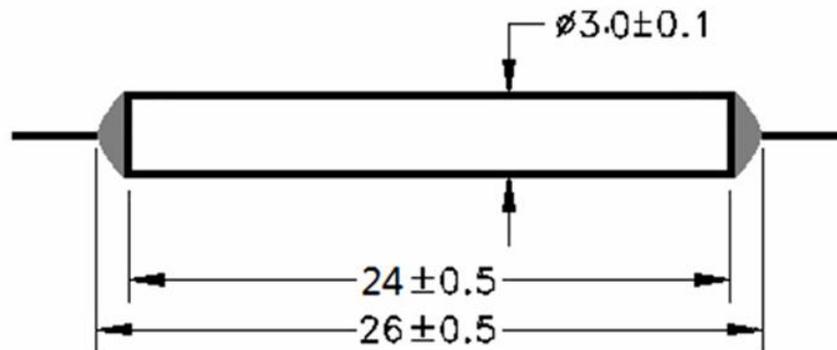
Wavelength	Operating Power	Single/Dual Stage
1550nm	5W	Single Stage

● Dimension Drawing

Standard Size Fiber Isolator



Mini Fiber Isolator



● General Parameters

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 stage		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
Package dimension	mm	5.5x36	60x12x8

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

1310: 1310nm

1550: 1550nm

2000: 2004nm

S○: Single / dual stage

11: single stage

22: dual stage

P▽: Handling Power

1: 1w

.....

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