



2W 1550nm single-mode single-stage fiber optic isolator, isolation 29dB



● Product Description

Idealphotonics' optical isolator products maintain excellent return loss isolation performance under any polarization state. They feature low loss, high isolation, high return loss, low polarization-dependent loss, low polarization mode dispersion, wide operating wavelength range, and operating temperature range. Additionally, they have a glue-free optical path. These features make the product a cost-effective solution for communication networks. This series of products can be used in doped fiber



amplifiers, wavelength division multiplexing systems, fiber optic devices, and lasers.

● Product features

Wide operating wavelength range & wide operating temperature range、
Low insertion loss & high isolation、 Minimal polarization-dependent loss
and polarization mode dispersion、 Glue-free optical path、 Extremely high
reliability and stability

● Part Number

MP-ISO-F-1550-2-S-SA-1

● Application area

Optical Amplifiers、 WDM & DWDM Systems、 Optical Fiber Equipment、
Fiber Lasers

● Core parameters

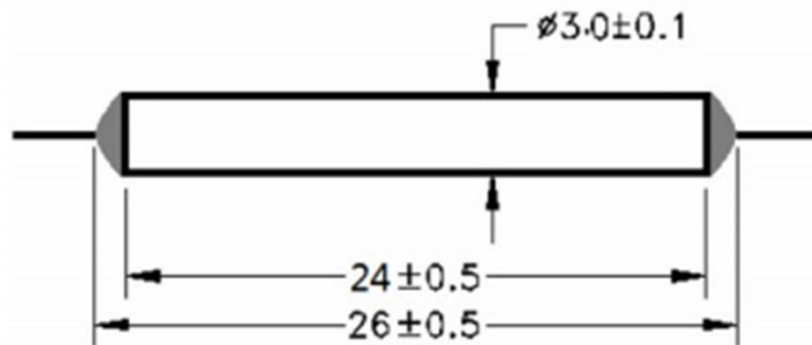
Wavelength	Operating Power	Single/Dual Stage
1550nm	2W	Single Stage

● **Dimension Drawing**

Standard Size Optical Fiber Isolator



Mini Optical Fiber Isolator



● **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		

Note:

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



****.**If any parameters change, no further notice will be given.

PN#/Ordering info

MP-ISO- W□□□□-SS-S○-P▽-☆-△-XX

W□□□□ : Wavelength

1310: 1310nm

1550: 1550nm

2000: 2004nm

S○ : Single/Double Pole

11: Single Pole

22: Double Pole

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