



## 850nm high power single mode fiber isolator



- **Product Description**

850nm high power single mode fiber isolator has the characteristics of low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is an ideal choice for fiber lasers and instrument applications.

- **Product features**

Low insertion loss, High isolation, High operating power, High return loss

## ● Part Number

MP-ISO-F-850-A-S-SA-1

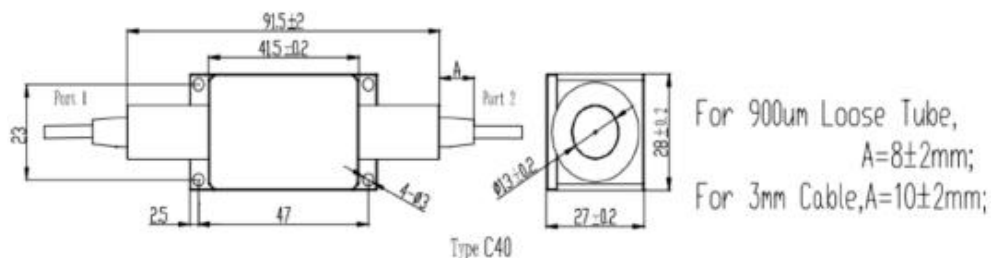
## ● Application area

Fiber laser、 Fiber amplifier、 Laboratory research

## ● Core parameters

Center Wavelength	Operating Wavelength Range	Max. Optical Power
850nm	$\pm 10\text{nm}$	300mW

## ● Dimension Drawing



## ● General Parameters

### Parameters

Parameter	Unit	Indication
Central wavelength( $\lambda_c$ )	nm	850
Operating wavelength range	nm	$\pm 10$
Typical peak isolation	dB	32-40



<b>Min. Isolation at 23°C</b>	<b>dB</b>	<b>25</b>
<b>Typical insertion loss at 23°C</b>	<b>dB</b>	<b>0.6</b>
<b>Maximum insertion loss at 23°C</b>	<b>dB</b>	<b>1.0</b>
<b>Minimum return loss (input/output)</b>	<b>dB</b>	<b>50/50</b>
<b>Maximum optical power</b>	<b>mW</b>	<b>300 or specify</b>
<b>Maximum tensile load</b>	<b>N</b>	<b>5</b>
<b>Fiber type</b>		<b>Single mode fiber</b>
<b>Operating temperature</b>	<b>°C</b>	<b>-5 to +50</b>
<b>Storage temperature</b>	<b>°C</b>	<b>-20 to+75</b>

**Note:**

The above specifications apply to devices without connectors;

For devices with connectors, IL will be 0.3 dB higher and RL will be 5 dB lower;

The actual package size may be slightly different from that shown in the figure below. Please contact the company's customer service for the exact size.



## Model examples

MP-ISO-F-①①-②-③③-④④-⑤

①①: Wavelength

85 - 850nm

SS - Specify

②: Package Type

C40 - Type C40

④: Axis Alignment

F - Fast Axis Blocked

B - Both Axis Working

③③: Connector Type on Port 1 & 2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④④: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

⑤: Fiber Length

1 - 1.0m

S - Specify