

850nm high power polarization-mode fiber isolator



● Product Description

850nm high power polarization-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.

● Part Number

HPMI-85-C40-22-LL-1

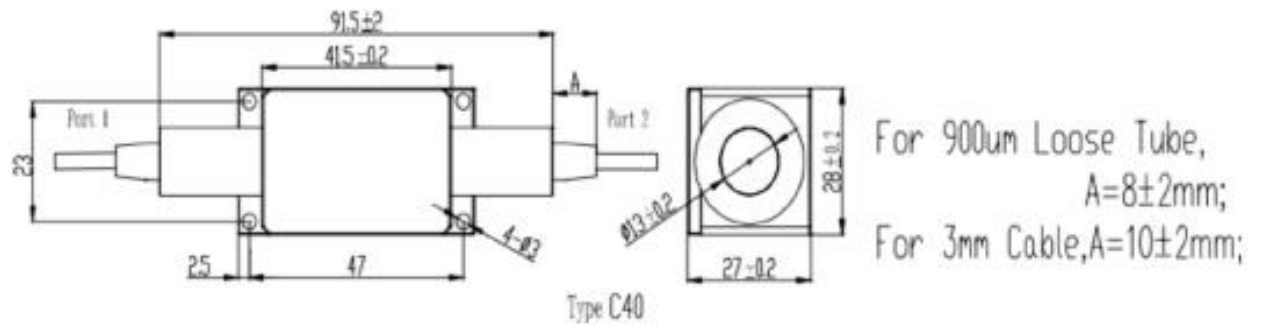
● Product features

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

● Application area

Fiber laser、 Fiber amplifier、 Laboratory research

Dimensional Drawing



Parameters

Parameter	Unit	Indication
Central wavelength(λ_c)	nm	850
Operating wavelength range	nm	± 10
Min. extinction ratio (only for B type)	dB	20
Min. extinction ratio (only for F type)	dB	22
Typical peak isolation	dB	32-40
Min. Isolation at 23℃	dB	25
Typical insertion loss at 23℃	dB	0.6
Maximum insertion loss at 23℃	dB	1.0
Minimum return loss (input/output)	dB	50/50
Maximum optical power	mW	300 or specify
Maximum tensile load	N	5
Fiber type		PM Panda fiber
Operating temperature	℃	-5 to +50
Storage temperature	℃	-20 to +75

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

HPMI-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