



850nm Broadband Polarization Insensitive Isolator

Features

- Low Insertion Loss
- High Isolation
- High Power Handling
- High Return Loss

Applications

- Fiber Laser
- Instrumentation
- Fiber Amplifier
- Lab Research

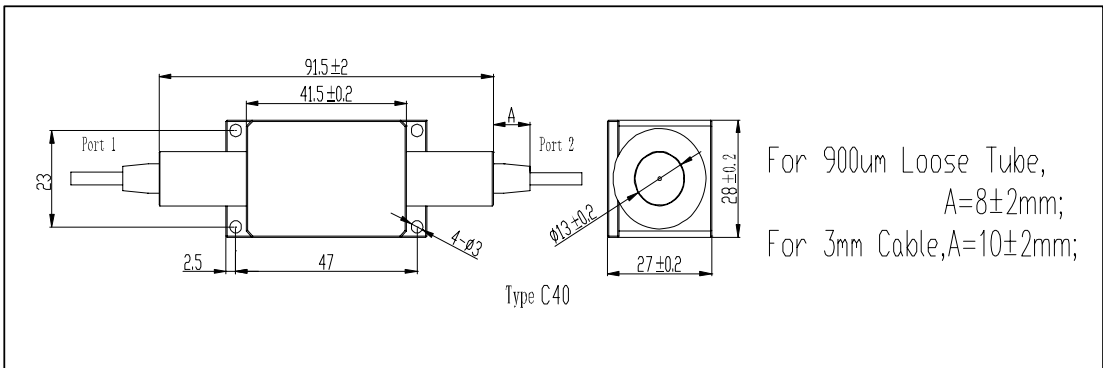
Specifications

Parameters	Unit	Values
Center Wavelength (λ_c)	nm	850
Operating Wavelength Range	nm	± 50
Max. PDL at 23°C, λ_c	dB	0.15
Typ. Isolation	dB	28~32
Min. Isolation at 23°C	dB	23
Typ. Insertion Loss at 23°C, λ_c	dB	1.0
Max. Insertion Loss at 23°C	dB	1.3 @ 850+/-30nm, 1.7 @ 850+/-40nm, 2.0 @ 850+/-50nm
Min. Return Loss (input/output)	dB	50/50
Max. Optical Power (CW)	W	0.3 , 0.5 or specify
Max. Tensile Load	N	5
Fiber Type		HI 780 Fiber
Operating Temperature	°C	0 to +60
Storage Temperature	°C	-20 to+75

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

BI-①①-②-③-④④-⑤⑤-⑥⑥

①①: Wavelength

- 85 - 850nm
- SS - Specify

②: Package Type

- C40 - Type C40

③: Handling Power

- 0.3 - 300mW
- 0.5 - 500mW

④④: Connector Type on Port 1 & 2

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2

- B - 250um Bare Fiber
- L - 900um Loose Tube
- S - Specify

⑥⑥: Fiber Length

- 1 - 1.0m
- S - Specify

Features

- Low Insertion Loss
- High Isolation
- High Power Handling
- High Return Loss

Applications

- Fiber Laser
- Instrumentation
- Fiber Amplifier
- Lab Research

Specifications

Parameters	Unit	Values
Center Wavelength (λ_c)	nm	980
Operating Wavelength Range	nm	± 10
Max. PDL	dB	0.1
Typ. Peak Isolation	dB	32-40
Min. Isolation at 23°C	dB	25
Typ. Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at 23°C	dB	1.0
Min. Return Loss (input/output)	dB	50/50
Max. Optical Power (CW)	W	1, 2, 3 or Specify
Max. Tensile Load	N	5
Fiber Type		HI 1060 Fiber
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

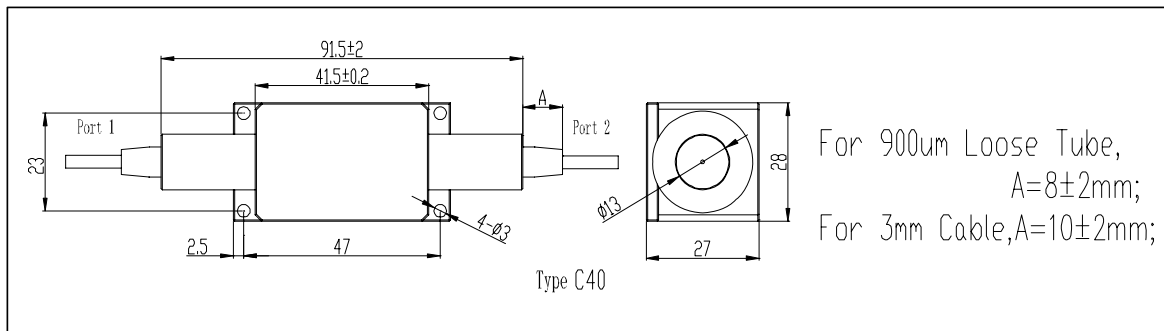
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and handling power will be 1W CW or lower.

*Package size indicated is for standard choose, if special size is required, please discuss with Optizone.

*Please provide the details of pulse conditions including pulse width, repetition, peak power for inquiries if necessary.

Package Dimensions



Ordering Information

HPII-①①-②-③③-④④-⑤⑤-⑥

①①: Wavelength

- 98 - 980nm
- SS - Specify

②: Package Type

- C40 - Type C40

③③: Handling Power

- 01 - 1W
- 02 - 2W
- 03 - 3W
- S - Specify

④④: Connector Type on Port 1 & 2

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

⑤⑤: Fiber Type on Port 1 & 2

- B - Bare Fiber
- L - 900um Loose Tube
- C - 3mm Loose Cable
- S - Specify

⑥: Fiber Length on Port 1 & 2

- 1 - 1.0m
- S - Specify

Optizone 980nm High Power Polarization Maintaining Isolator

Features

- Low Insertion Loss
- High Isolation
- High Power Handling
- High Return Loss

Applications

- Fiber Laser
- Instrumentation
- Fiber Amplifier
- Lab Research

Specifications

Parameters	Unit	Values
Center Wavelength (λ_c)	nm	980
Operating Wavelength Range	nm	± 10
Min. Extinction Ratio (only for B Type)	dB	20
Min. Extinction Ratio (only for F Type)	dB	22
Typ. Peak Isolation	dB	32-40
Min. Isolation at 23°C	dB	25
Typ. Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at 23°C	dB	1.0
Min. Return Loss (input/output)	dB	50/50
Max. Optical Power (CW)	W	1, 2, 3 or Specify
Max. Tensile Load	N	5
Fiber Type		PM 980 Panda Fiber
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

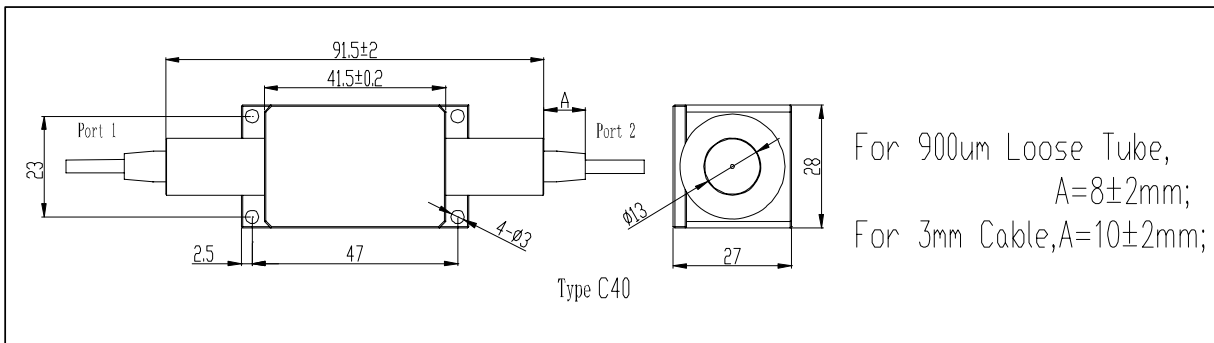
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower and handling power will be 1W CW or lower.

*Package size indicated is for standard choose, if special size is required, please discuss with Optizone.

*Please provide the details of pulse conditions including pulse width, repetition, peak power for inquiries if necessary.

Package Dimensions



Ordering Information

HPMI-①①-②-③③-④④-⑤⑤-⑥⑥-⑦

①①: Wavelength
98 - 980nm
SS - Specify

④④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑥⑥: Fiber Type on Port 1 & 2
B - Bare Fiber
L - 900µm Loose Tube
C - 3mm Loose Cable
S - Specify

②: Package Type
C40 - Type C40

⑤⑤: Connector Type on Port 1 & 2

1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑦: Fiber Length on Port 1 & 2
1 - 1.0m
S - Specify

③③: Handling Power
01 - 1W
02 - 2W
03 - 3W



850nm High Power Polarization Insensitive Isolator

Features

- Low Insertion Loss
- High Isolation
- High Power Handling
- High Return Loss

Applications

- Fiber Laser
- Instrumentation
- Fiber Amplifier
- Lab Research

Specifications

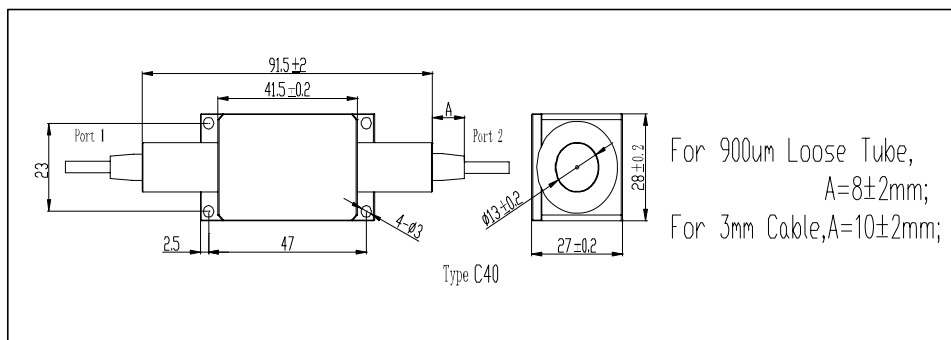
Parameters	Unit	Values
Center Wavelength (λ_c)	nm	850
Operating Wavelength Range	nm	± 10
Max. PDL at 23°C	dB	0.1
Typ. Peak Isolation	dB	32-40
Min. Isolation at 23°C	dB	25
Typ. Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at 23°C	dB	1.0
Min. Return Loss (input/output)	dB	50/50
Max. Optical Power (CW)	W	0.3 , 0.5 or specify
Max. Tensile Load	N	5
Fiber Type		HI 780 Fiber
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

*Above specifications are for device without connector

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

*The actual package dimensions may be slightly different from that shown in below drawing, for accurate dimensions please contact Optizone.

Package Dimensions



Ordering Information

HP11-①①-②-③-④④-⑤⑤-⑥⑥

①①: Wavelength

- 85 - 850nm
- SS - Specify

②: Package Type

- C40 - Type C40

③: Handling Power

- 0.3 - 300mW
- 0.5 - 500mW

④④: Connector Type on Port 1 & 2

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2

- B - 250um Bare Fiber
- L - 900um Loose Tube
- C - 3mm Loose Cable
- S - Specify

⑥⑥: Fiber Length

- 1 - 1.0m
- S - Specify



850nm High Power Polarization Maintaining Isolator

Features

- Low Insertion Loss
- High Isolation
- High Power Handling
- High Return Loss
- High Extinction Ratio

Applications

- Fiber Laser
- Instrumentation
- Fiber Amplifier
- Lab Research

Specifications

Parameters	Unit	Values
Center 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
Typ. Peak Isolation	dB	32-40
Min. Isolation at 23°C	dB	25
Typ. Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at 23°C	dB	1.0
Min. Return Loss (input/output)	dB	50/50
Max. Optical Power (CW)	mW	300 or specify
Max. Tensile Load	N	5
Fiber Type		PM Panda Fiber
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

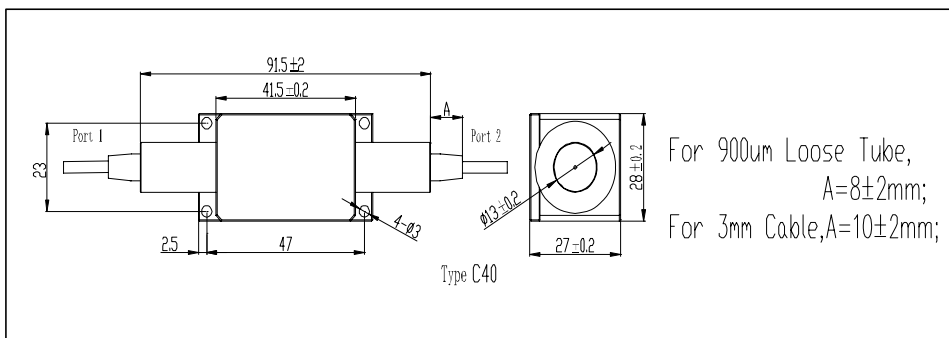
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and connector key are aligned to the slow axis.

*The actual package dimensions may be slightly different from that shown in below drawing, for accurate dimensions please contact Optozone.

Package Dimensions



Ordering Information

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