

**Optizone 1064nm High Power Collimated Beam Output Isolator**

**Features**

- High Isolation & High Power Handling
- Low Polarization Dependent Loss
- Low Insertion Loss & High Return Loss
- Excellent Environmental Stability and Reliability

**Applications**

- Fiber Amplifier
- Fiber Laser
- Instrumentation Applications
- Lab Research

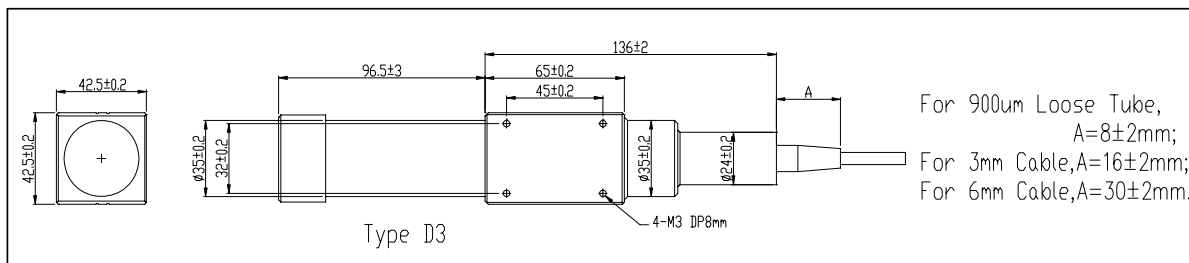
**Specifications**

Parameters	Unit	Values
Center Wavelength ( $\lambda_c$ )	nm	1064 or Specify
Operating Wavelength Range	nm	$\pm 10$
Typ. Peak Isolation	dB	30~35
Min. Isolation at 23°C	dB	25
Typ. Transmission	-	93%
Min. Transmission	-	90%
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.1
Nominal Output Beam Diameter ( $1/e^2$ )@0~1m WD	mm	5+/-0.5, 6+/-0.5, 7+/-0.5 or Specify
Max. Optical Power (CW)	W	5, 10, 20 or Specify
Max. Peak Power	KW	10, 20 or Specify
Fiber Type	-	SCF 20/130 Fiber or LMA Fiber
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

\*For pulse applications, pls discuss with Optizone Technology.

\*The dimensions of beam expanders are dependent on the required beam diameter,detailed informations pls contact Optizone or see the shipment data sheet.

**Package Dimensions**



**Ordering Information**

HPICI-①①-②②-③③-④④-⑤⑤-⑥⑥

①①: Wavelength  
06 - 1064nm  
SS - Specify

③③: Handling Power  
05 - 5W  
10 - 10W  
20 - 20W  
SS - Specify

⑤⑤: Fiber Jacket on Port 1 & 2  
L - 900um Loose Tube  
C - 3mm Loose Cable  
A - 3mm Armoured Cable  
B - 6mm Armoured Cable  
S - Specify

②②: Package Type  
D3 - Type D3

④④: Output Beam Diameter  
50 - 5mm  
60 - 6mm  
70 - 7mm  
SS - Specify

⑥⑥: Fiber Length  
1.0 - 1.0m  
S - Specify



# 1064nm High Power PM Collimated Beam Output Isolator

## Features

High Isolation & High Power Handling  
 High Extinction Ratio  
 Low Insertion Loss & High Return Loss  
 Excellent Environmental Stability and Reliability

## Applications

Polarization Maintaining Fiber Amplifier  
 Fiber Laser  
 Instrumentation Applications  
 Lab Research

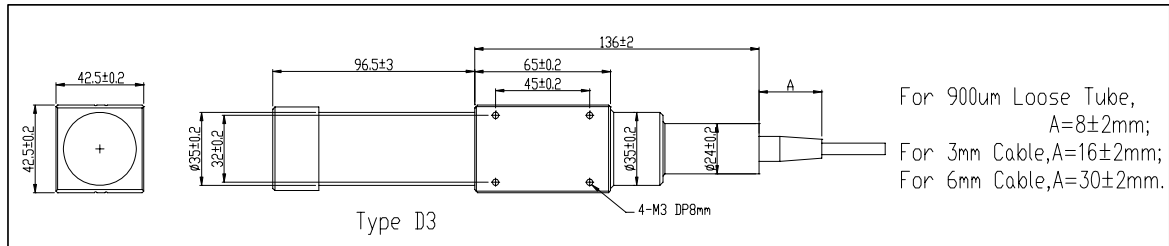
## Specifications

Parameters	Unit	Values
Center Wavelength ( $\lambda_c$ )	nm	1064 or Specify
Operating Wavelength Range	nm	$\pm 10$
Typ. Peak Isolation	dB	30~35
Min. Isolation at 23°C	dB	25
Typ. Transmission	-	93%
Min. Transmission	-	90%
Min. Return Loss	dB	50
Min. Extinction Ratio (only for F Type)	dB	20
Nominal Output Beam Diameter ( $1/e^2$ )@0~1m WD	mm	5+/-0.5, 6+/-0.5, 7+/-0.5 or Specify
Max. Optical Power (CW)	W	5, 10, 20 or Specify
Max. Peak Power	KW	10, 20 or Specify
Fiber Type	-	PM 980 Panda Fiber or PLMA Fiber
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

\*For pulse applications, pls discuss with Optizone Technology.

\*The dimensions of beam expanders are dependent on the required beam diameter,detailed informations pls contact Optizone or see the shipment data sheet.

## Package Dimensions



## Ordering Information

HPMCI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

06 - 1064nm

SS - Specify

②②: Package Type

D3 - Type D3

③③: Handling Power

05 - 5W

10 - 10W

20 - 20W

SS - Specify

④④: Axis Alignment

F - Fast Axis Blocked

⑤⑤: Output Beam Diam

50 - 5mm

60 - 6mm

70 - 7mm

SS - Specify

⑥⑥: Fiber Jacket on Port 1 & 2

L - 900um Loose Tube

C - 3mm Loose Cable

A - 3mm Armoured Cable

B - 6mm Armoured Cable

S - Specify

⑦⑦: Fiber Length

0.8 - 0.8m

S - Specify