

# 1064nm High Power Isolator -Type C137

## 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 ( $\lambda_c$ )	nm	1064 or Specify
Operating Wavelength Range	nm	$\pm 5$
Min. Isolation at 23°C	dB	30
Typ. Insertion Loss at 23°C	dB	0.6
Max. Insertion Loss at 23°C	dB	0.8
Min. Return Loss (Port1/Port2)	dB	50/50
Max. Polarization Dependent Loss at 23°C	dB	0.15 (only for HPPI type isolators)
Min. ER (only for HPMI type isolators)	dB	20 for B type, 22 for F type
Max. Optical Power (CW)	W	1, 10
Max. Peak Power on ns pulse	KW	10
Fiber Type (only for HPPI type isolators)	-	HI 1060 Fiber or 10/125 Fiber
Fiber Type (only for HPMI type isolators)	-	PM 980 Fiber or PM 10/125 Fiber
Max. Tensile Load	N	5
Operating Temperature	°C	0 to +50
Storage Temperature	°C	-20 to +75

\*Above specifications are for device without connector.

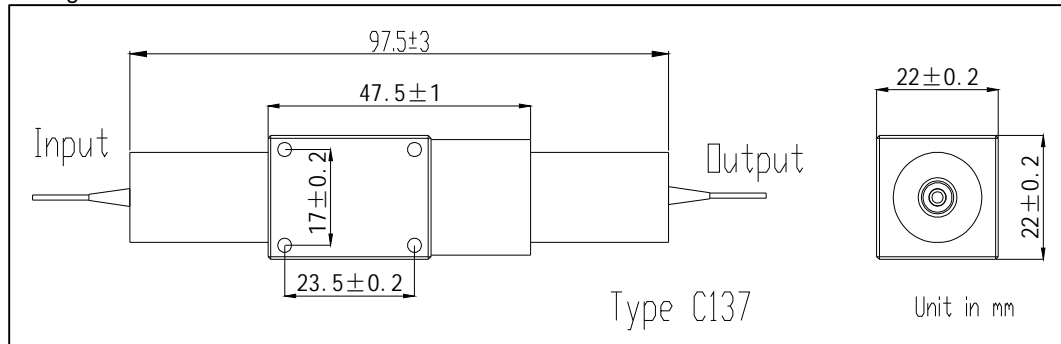
\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower, and only for 1W CW.

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

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

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

## Package Dimensions



## Ordering Information

HPPI-①①-②②-③③-⑤⑤-⑥⑥-⑦

HPMI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦

①①: Wavelength  
06 - 1064nm  
S - Specify

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

⑦⑦: Fiber Length  
1 - 1.0m  
S - Specify

②②: Package Type  
C137 - Type C137

⑤⑤: Connector Type on Port 1 & 2  
N - None  
S - Specify

③③: Handling Power  
01 - 1W  
10 - 10W  
S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2  
B - 250um Bare Fiber  
L - 900um Loose Tube  
S - Specify

## Remarks:

- 1) HPMI, High Power Polarization Maintaining Isc
- 2) HPPI, High Power Polarization Insensitive Isolators;
- 3) Item④ is for HPMI type only.