



1064nm High Power Broadband 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	1064
Operating Wavelength Range	nm	± 50
Typ. Peak Isolation	dB	30~35
Min. Isolation at 23°C	dB	26
Typ. Insertion Loss	dB	1.0
Max. Insertion Loss at 23°C, λ_c	dB	1.5
Min. Return Loss (Port1/Port2)	dB	50/50
Max. Polarization Dependent Loss	dB	0.15 (only for BI isolators)
Min. ER (only for HPMBI isolators)	dB	20 for B type, 22 for F type
Max. Optical Power (CW)	W	1, 5 or Specify
Max. Peak Power	KW	5 or Specify
Fiber Type (only for BI isolators)	-	HI 1060 Fiber or LMA Fiber
Fiber Type (only for HPMBI isolators)	-	PM 980 Fiber or PLMA Fiber
Max. Tensile Load	N	5
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, and only for 1W CW.

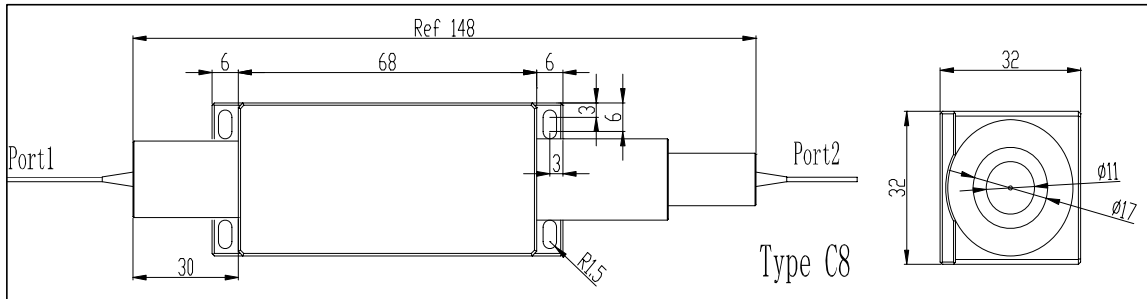
*The PM fiber and connector key are aligned to the slow axis.

*For pulse applications, pls discuss with Optizone Technology.

*No plastic cap on the ends of the component if 3mm jacketed is chosen;

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

Package Dimensions



Ordering Information

BI-①①-②②-③③-⑤⑤-⑥⑥-⑦

HPMBI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦

①①: Wavelength

06 - 1064nm

S - Specify

④: Axis Alignment

F - Fast Axis Blocked

B - Both Axis Working

⑦: Fiber Length

0.8 - 0.8m

S - Specify

②②: Package Type

C8 - Type C8

⑤⑤: Connector Type on Port 1 & 2

N - None

S - Specify

③③: Handling Power

01 - 1W

05 - 5W

S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

Remarks:

1) HPMBI, High Power Polarization Maintaining Broadband Isolators;

2) BI, High Power Polarization Broadband Insensitive Isolators;

3) Item④ is for HPMBI only.