Advanced Fiber Resources (Hong Kong), Ltd.

High Power Polarization Insensitive Isolator (HI Series)

Spec Review No.: SR26512D Date: Oct. 23, 2025

Description

The 1064 nm High Power Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

Key Features

- High Power Handling
- Low Insertion Loss

Applications

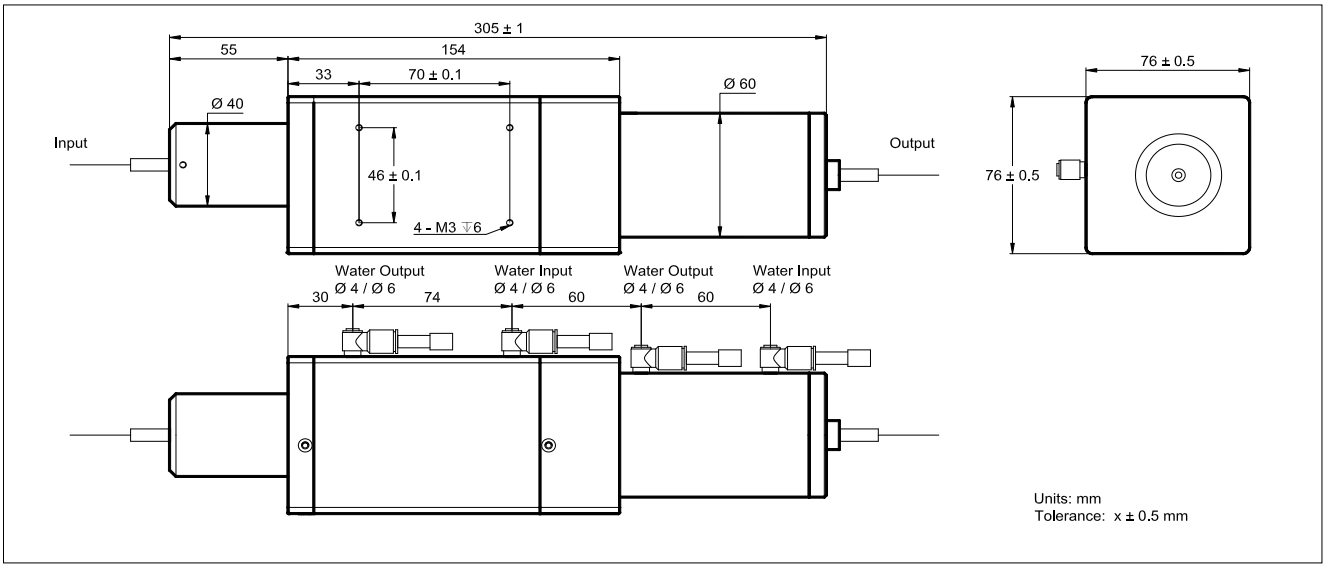
- Fiber Laser
- Fiber Optic Instruments

Specifications

Parameter	Unit	Values
Operating Center Wavelength (λc)	nm	1064
Operating Wavelength Range	nm	1080 ± 40
Typ. Peak Isolation	dB	35
Min. Isolation, λc, 23 ℃, All Polarization States	dB	30
Max. Insertion Loss, 23 ℃	dB	0.5
Fiber Type	-	200/400 NA 0.1
NA (Input)	-	≤ 0.09
Min. Return Loss	dB	35
Max. Average Optical Power	W	1000
Max. Peak Power for ns Pulse	MW	1

Fiber and conditions	Unit	Values
Fiber Type	-	Specified by Ordering Info
Cooling	-	Water
Water Quality	-	Purified or Distilled Water
Flow Rate	L/min	1.5 - 2.5
Water Pressure	Mpa	≤ 0.3
Water Temperature	-	≥ 5°C Above Dew Point Temperature
Water PH Value	-	5.6 - 7.9
Reverse Power Handling	W	200 W Continuous
Operating Temperature	℃	+ 10 to + 50
Storage Temperature	℃	- 20 to + 60

Package Dimensions



Ordering Information

HI-①①①①-②②②②-③-④-⑤-P

①①①①: Wavelength
1064 - 1064 nm
SSSS - Specify

②②②②: Handling Power
1000 - 1000 W
SSSS - Specify

③: Fiber Jacket
3 - 3mm Loose Tube
S - Specify

④: Jacket Length
0.6 - 0.6
S - Specify

⑤: Fiber Length
2- 2.0 m
S - Specify