



High Power Polarization Insensitive Isolator (HI Series)

Rev 11D

Description

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

Key Features

- Low Insertion Loss
- High Isolation

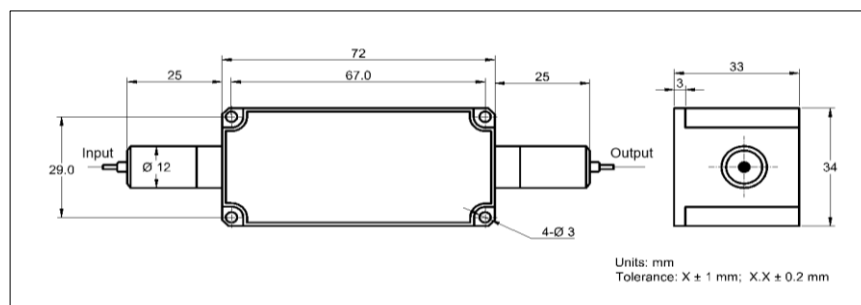
Applications

- Fiber Lasers
- Fiber Optic Instruments

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	980
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Typ. Peak Isolation	dB	30
Min. Isolation, λ_c , @ All Polarization States, 23 °C	dB	25
Typ. Insertion Loss, 23 °C	dB	0.8
Max. Insertion Loss, 23 °C	dB	1
Min. Return Loss (Input/Output)	dB	45/45
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	20
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Max. Tensile Load	N	5
Fiber Type	-	HI1060
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

Package Dimensions



Ordering Information

HI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

②②: Handling Power

③③: Connector Type

④④: Fiber Jacket

98 - 980 nm

03 - 3 W

20 - 20 W

N - None

B - 250 μ m Bare Fiber

SS - Specify

10 - 10 W

SS - Specify

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

1 - HI 1060 Fiber

2 - Nufern FUD-3584 Fiber

S - Specify

⑦: Power Type

P - Pulsed

C - Continuous Wave