

High Power Polarization Insensitive Isolator (HI Series)

Rev 11E

Description

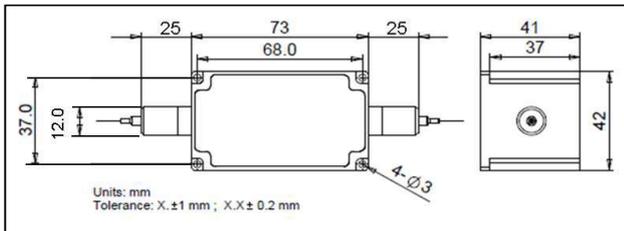
The 1030 nm High Power Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

Specifications

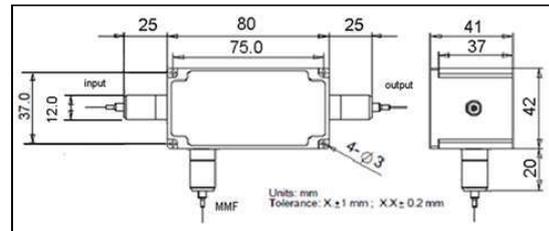
| Parameter | Unit | Type A | Type B |
|--|------|--------------------|-------------|
| Center Wavelength (λ_c) | nm | 1030 | |
| Operating Wavelength Range | nm | $\lambda_c \pm 10$ | |
| Typ. Peak Isolation | dB | 30 | |
| Min. Isolation, λ_c , 23 °C, All Polarization States | dB | 25 | |
| Typ. Insertion Loss, 23 °C | dB | 0.8 | |
| Max. Insertion Loss, 23 °C | dB | 1 | |
| Max. IL Output To Reflection (MMF), (Output to MMF) | dB | None | 1 |
| Min. Return Loss (Input/Output) | dB | 50/50 | |
| Max. Polarization Dependent Loss | dB | 0.2 | |
| Max. Average Optical Power | W | 10 | 20 |
| Max. Peak Power For ns Pulse | kW | 10 | |
| Max. Tensile Load | N | 5 | |
| Fiber Type | - | HI 1060 Fiber | |
| MMF Fiber Type | - | None | MMF-105/125 |
| Operating Temperature | °C | + 10 to + 50 | |
| Storage Temperature | °C | 0 to + 60 | |

*MMF Port Is To Take Out Useless Light.

Package Dimensions



Type A



Type B

Ordering Information

HI-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength

03 - 1030 nm

SS - Specify

②: Package Type

A - Type A

B - Type B

③③: Handling Power

03 - 3 W

10 - 10 W

20 - 20 W

SS - Specify

④: Connector Type

N - None

⑤: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑥: Fiber Length

1 - 1.0 m

S - Specify

⑦: Fiber Type

1 - HI 1060 Fiber

2 - Nufern FUD-3584 Fiber

3 - Nufern LMA-GDF-20/130-M

S - Specify

⑧: Power Type

P - Pulse Application

C - Continuous Wave