

High Power Polarization Insensitive Isolator (HI Series)

Spec Review No.: SR21062

Description

The Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. It is specially designed for 2 μm polarization insensitive fiber amplifiers, fiber laser systems.

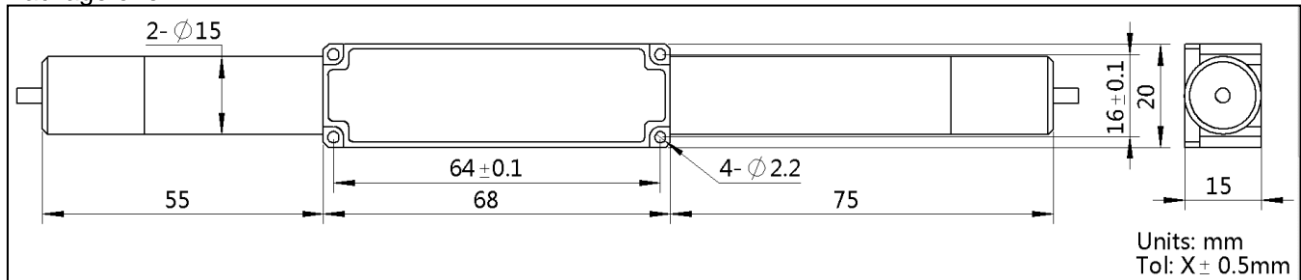
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1910, 2050
Operating Wavelength Range	nm	c \pm 10
Max. Polarization Dependent Loss, 23 °C	dB	0.2
Min. Isolation, λ_c , 23 °C, all polarization states	dB	25
Max. Insertion Loss, λ_c , 23 °C, all polarization states	dB	1.6
Min. Return Loss (Input/Output)	dB	45/45
Max. Average Optical Power	W	50
Max. Peak Power for ns pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	Specified by ordering info
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

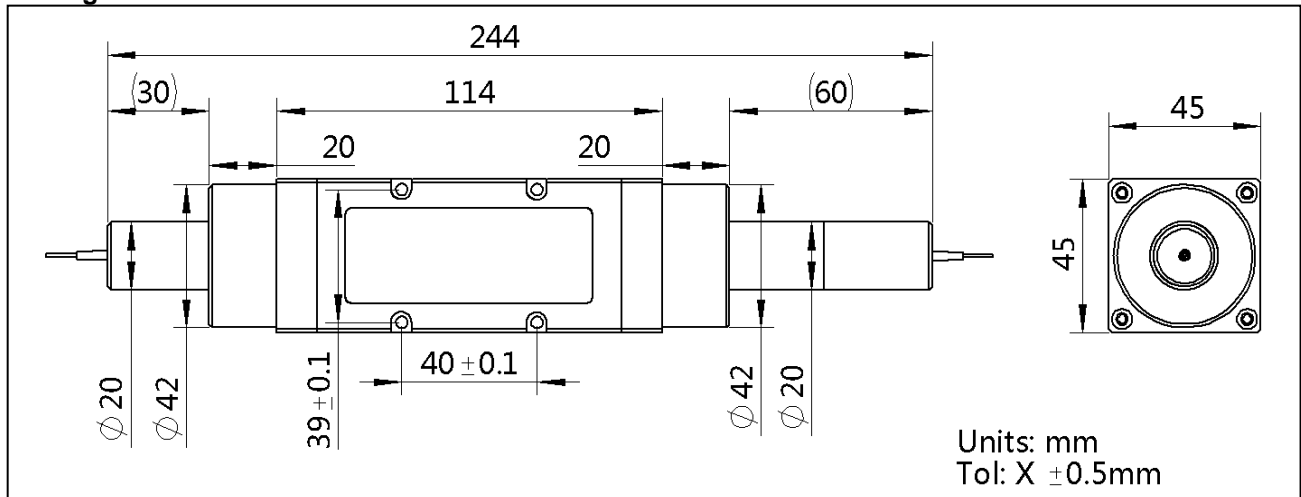
Package Dimensions

Note: Package type depends on client accepts customized lens (package one) or not (package two).

Package one:



Package two:



HI-①①①①-②②-③-④-⑤-⑥

①①①①: Wavelength

1910 - 1910 nm

2050 - 2050 nm

SSSS - Specify

②②: Handling Power

50 - 50 W

SS - Specify

③: Fiber Type

1 - Nufern LMA-GDF-25/400-09M

2 - Nufern LMA-GDF-25/250-09M

3 - IxBlue IXF-2CF-PAS-20-250-0.08

S - Specify

④: Fiber Jacket

B - Bare Fiber

⑤: Fiber Length

Q - 0.75 m

1 - 1.0 m

S - Specify

⑥: Power Type

P - Pulse Application

C - Continuous Wave