

High Power Polarization Insensitive Isolator (HI Series)

SR18093

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.

Specifications

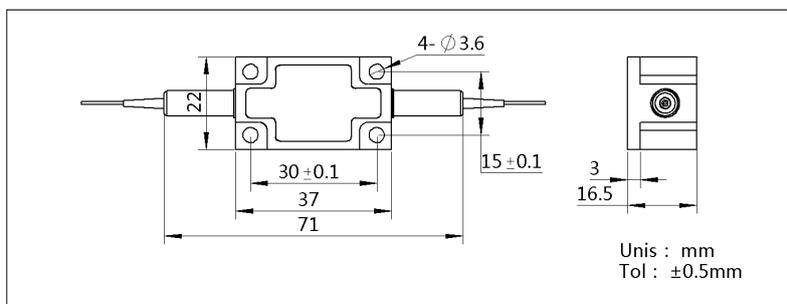
Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	1.5
Max. Insertion Loss, 23 °C and input power 5 W	dB	2.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	5
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

¹IL is 0.5 dB higher, and RL is 5 dB lower for each connector added.

²The optical power handling capability will be max 1W when the isolator is terminated with connectors.

³Optional band pass filter available both for input and output port.

Package Dimensions



Ordering Information

HI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①: Wavelength

06 - 1064 nm

SS - Specify

②②: Handling Power

01 - 1 W

03 - 3 W

05 - 5 W

③③: Connector Type

1 - FC/UPC

2 - FC/APC

N - None

3 - SC/UPC

4 - SC/APC

S - Specify

④④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥⑥: Fiber Type

1 - HI 1060 Biber

S - Specify

⑦⑦: Power Type

P - Pulse Application

C - Continuous Wave