

High Power Polarization Insensitive Isolator (HI Series)

Description

SR18093

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

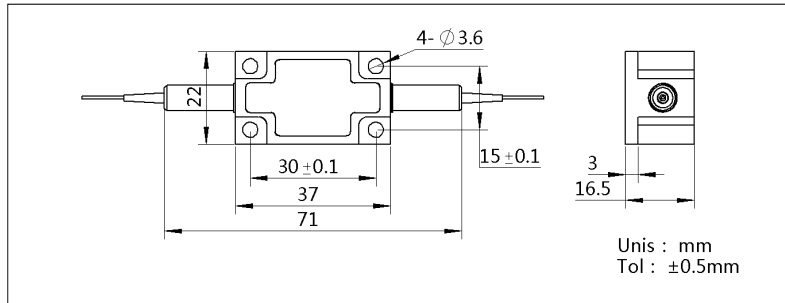
Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	1.5
Max. Insertion Loss, 23 °C and input power 5 W	dB	2.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Polarization Dependent Loss	dB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

②②: Handling Power

③③: Connector Type

④④: Fiber Jacket

06 - 1064 nm

01 - 1 W

1 - FC/UPC

3 - SC/UPC

B - 250 μ m Bare Fiber

SS - Specify

03 - 3 W

2 - FC/APC

4 - SC/APC

L - 900 μ m Loose Tube

05 - 5 W

N - None

S - Specify

S - Specify

⑤⑤: Fiber Length

⑥⑥: Fiber Type

⑦⑦: Power Type

1 - 1.0 m

1- HI 1060 Biber

P - Pulse Application

S - Specify

S - Specify

C - Continuous Wave