



High Power Polarization Insensitive Isolator (HI Series)

Rev 11

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. The optical isolator is ideal for fiber laser and instrumentation applications.

Key Features

- High Power Handling
- Low Insertion Loss

Applications

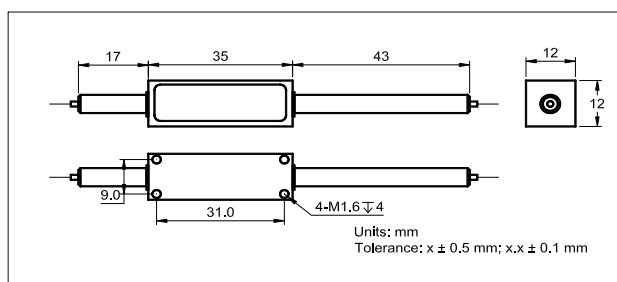
- High Power Fiber Laser
- High Power Instrumentation Applications

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Max. Polarization Dependent Loss	dB	0.15
Typ. Peak Isolation	dB	35
Min. Isolation, λ_c , 23 °C, all polarization states	dB	28
Typ. Insertion Loss, 23 °C	dB	0.35
Max. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C	dB	0.5
Min. Return Loss (Input/Output)	dB	50/50
Max. Optical Power	W	20
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	SMF-28 Fiber

¹IL is 0.3 dB higher, RL is 5 dB lower and Optical Power is 1W for each connector added.

Package Dimensions



Ordering Information

HI-①①-②②-③③-④④-⑤⑤-⑥⑥

①①: Wavelength

55 - 1550 nm

SS - Specify

②②: Handling Power

20 - 20 W

③③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④④: Fiber Type

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥⑥: Power Type

P - Pulse Application

C - Continuous Wave