



High Power Polarization Insensitive Isolator (HI Series)

Rev 11C

Description

The 830 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. The High Power Polarization Insensitive Isolator is ideal for fiber laser and instrumentation applications.

Key Features

- Low Insertion Loss
- High Isolation

Applications

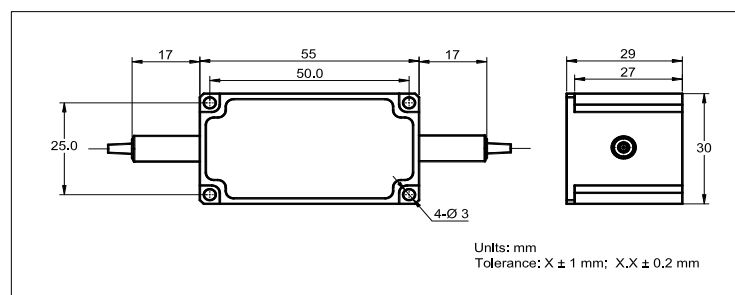
- Fiber Lasers
- Fiber Optic Instruments

Specifications

Parameter	Unit	Value	
Grade	-	Grade P	Grade A
Center Wavelength (λ_c)	nm	830 or specify	
Max. Polarization Dependent Loss	dB	0.15	0.2
Min. Isolation, λ_c , @ All Polarization States, 23 °C	dB	22	20
Typ. Insertion Loss, 23 °C	dB	1.3	1.6
Max. Insertion Loss, 23 °C	dB	1.6	1.8
Min. Return Loss (Input/Output)	dB	50/50	45/45
Max. Optical Power (Continuous Wave)	mW	500	
Max. Tensile Load	N	5	
Fiber Type	-	HI780 SM	
Operating Temperature	°C	+ 10 to + 50	
Storage Temperature	°C	0 to + 60	

¹IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

Package Dimensions



Ordering Information

HI-①①-②-③-④-⑤

①①: Wavelength

83 - 830 nm

SS - Specify

②: Grade

P - Premium

A - A Grade

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify