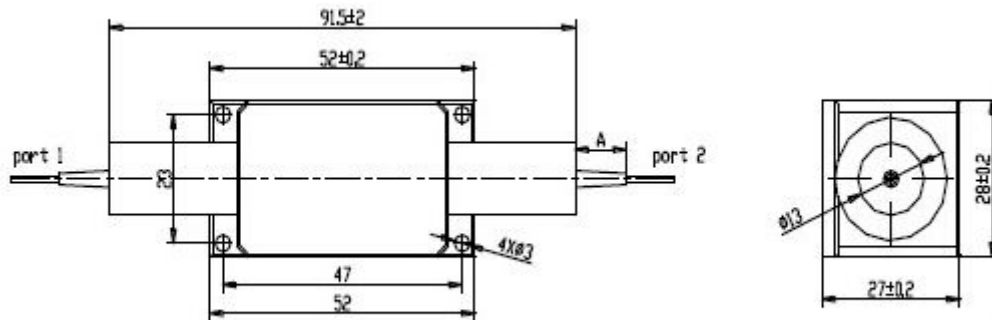


850±50nm Broadband Optical Isolator

Wavelength: 850nm 830nm 810nm

Handling Power: or Custom Handling Power 500mW

Fiber Type: Single Mode Fiber



Description

The 850nm Broadband Polarization Independent (Polarization Insensitive) Optical Fiber Isolator is an in-line pigtailed micro-optic component that allows light to be transmitted only in the forward direction while blocking the backward transmission. It features a wide operating wavelength, low insertion loss. The isolators are commonly used to protect lasers or amplifiers against back-reflected light. High power is available upon request.

Feature

- High Isolation
- Low Insertion Loss
- Broadband
- High Power Handling Available

Application

- Fiber Amplifier
- Fiber Laser
- Fiber Sensor
- Lab & Research

Specification

Parameter	Value	Unit
Center Wavelength	850	nm
Bandwidth	±50	nm
Typ. Peak Isolation	33	dB
Min. Isolation at 23°C	26	dB
Typ. Insertion Loss at 23°C	1.0	dB
Max. Insertion Loss at 23°C	1.3 @ 850±30nm, 1.7 @ 850±40nm, 2.0 @ 850±50nm	dB
Max. PDL at 23°C	0.15	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher power available on request)	mW
Max. Tensile Load	5	N
Fiber Type	Corning HI 780 Fiber	
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C
Package Dimension		mm

* Test at center wavelength without connector. For devices with connectors, IL will be 0.3dB higher, and ER will be 2dB lower.

Ordering information

BI-AAA-B-CC-DD

AAA

Wavelength

850 - 850nm
SSS - Specify

B

Fiber Jacket

B - 250um Bare Fiber
L - 900um Loose Tube

CC

Fiber Length

05 - 0.5m
08 - 0.8m
10 - 1.0m
15 - 1.5m
SS - Specify

DD

Connector

NE - None
FA - FC/APC
FP - FC/PC
SA - SC/APC
SP - SC/PC
LA - LC/APC
LP - LC/PC
SS - Specify