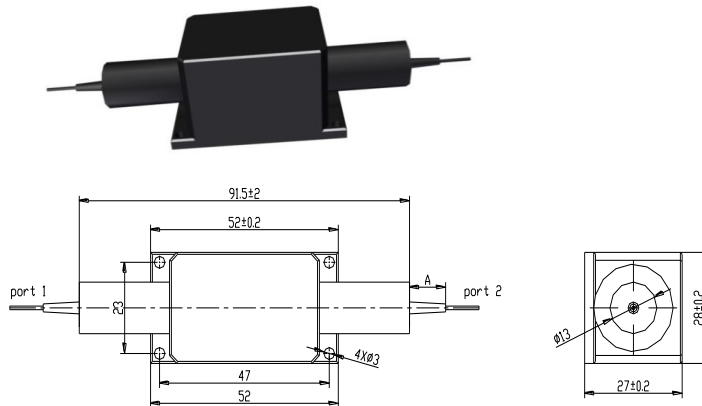


Braodband Optical Isolator 850±50nm

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



Features

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

Applications

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

Performance 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

Note

* 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	B	CC	DD
Wavelength	Fiber Jacket	Fiber Length	Connector
850 - 850nm	B - 250um Bare	05 - 0.5m	NE - None
SSS - Specify	Fiber	08 - 0.8m	FA - FC/APC
	L - 900um Loose	10 - 1.0m	FP - FC/PC
	Tube	15 - 1.5m	SA - SC/APC
		SS - Specify	SP - SC/PC
			LA - LC/APC
			LP - LC/PC
			SS - Specify