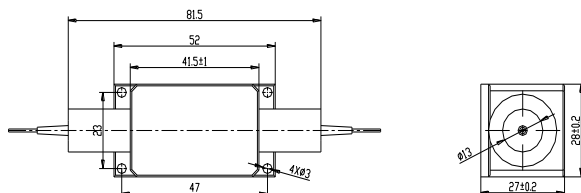


High Power Polarization Independent Optical Isolator 850nm

The 850nm High Power 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 high isolation, low insertion loss and high power handling. The optical isolators are commonly used to protect lasers or amplifiers against back-reflected light.



Features

- High Isolation
- Low Insertion Loss
- High Power Handling

Applications

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

Performance Specification

Parameter	Value	Unit
Center Wavelength	850	nm
Bandwidth	±10 (±50 is available upon request)	nm
Typ. Insertion Loss at 23℃	0.6	dB
Max. Insertion Loss at 23℃	1.0	dB
Typ. Peak Isolation	36	dB
Min. Isolation at 23℃	25	dB
Max. PDL at 23℃	0.1	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	0.5, 1, 2, 3, 5, 10	W
Max. Tensile Load	5	N
Fiber Type	HI 780 fiber	
Operating Temperature	-5 to +50	℃
Storage Temperature	-20 to +75	℃
Package Dimension		mm

Note

* For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

* For pulse applications, pls discuss with OF-LINK.

* Connectors only CW 1W handling power guarantee.

Ordering Information

HP11-AAA-BB-C-DD-EE-FF

AAA	BB	C	DD	EE	FF
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector	Power
810 - 810nm	H7 - HI 780 Fiber	B - 250um Bare	05 - 0.5m	NE - None	Z5 - 0.5W
830 - 830nm	SS - Specify	Fiber	08 - 0.8m	FA - FC/APC	01 - 1W
850 - 850nm		L - 900um Loose	10 - 1.0m	FP - FC/PC	03 - 3W
SSS - Specify		Tube	15 - 1.5m	SA - SC/APC	05 - 5W
			SS - Specify	SP - SC/PC	10 - 10W
				LA - LC/APC	SS - Specify
				LP - LC/PC	
				SS - Specify	