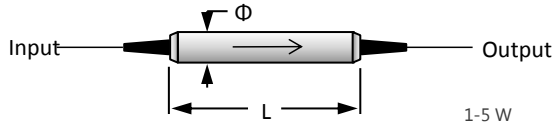


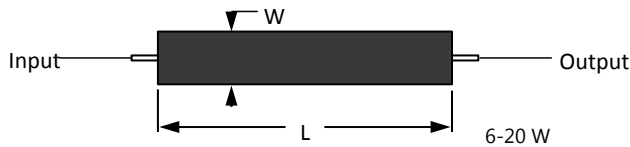
High Power Optical Isolator 1400, 1410, 1420 nm

The 1400, 1410, 1420 nm High Power Polarization Independent (Polarization Insensitive) Optical Fiber Isolator is an in-line pigtailed micro-optic component 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
- High Reliability & Stability



Applications

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

Performance Specification

Parameter	Value		Unit
Stage	Single Stage	Dual Stage	
Center Wavelength	1400, 1410, 1420 or customized		nm
Bandwidth	±20		nm
Typ. Insertion Loss at 23°C	0.4	0.6	dB
Max. Insertion Loss at 23°C	0.7	0.9	dB
Typ. Peak Isolation	30	42	dB
Min. Isolation at 23°C	23	35	dB
Max. PMD	0.2 (0.05 is available on request)	0.05	ps
Max. PDL at 23°C	0.15		dB
Min. Return Loss	50		dB
Max. Optical Power (CW)	1, 3, 5, 6, 10, 15, 20		W
Max. Tensile Load	5		N
Fiber Type	Corning SMF-28e Fiber		
Operating Temperature	-5 to +50		°C
Storage Temperature	-20 to +75		°C
Package Dimension	Φ5.5×L35 for 1-5W, L70×W12×H9 for 6-20W		mm

Note

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

* Connectors only CW 1W handling power guarantee.

Ordering Information

HPII-AAAA-B-C-DD-EE-FF

AAAA	B	C	DD	EE	FF
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector	Power
1400 - 1400nm	S - Single Stage	B - 250um Bare	05 - 0.5m	NE - None	01 - 1W
1410 - 1410nm	D - Dual Stage	Fiber	08 - 0.8m	FA - FC/APC	03 - 3W
1420 - 1420nm		L - 900um Loose	10 - 1.0m	FP - FC/PC	05 - 5W
SSSS - Specify		Tube	15 - 1.5m	SA - SC/APC	10 - 10W
			SS - Specify	SP - SC/PC	15 - 15W
				LA - LC/APC	20 - 20W
				LP - LC/PC	SS - Specify
				SS - Specify	