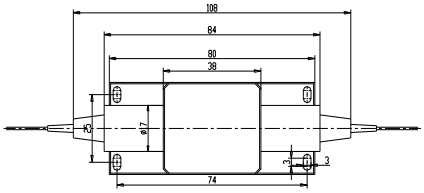
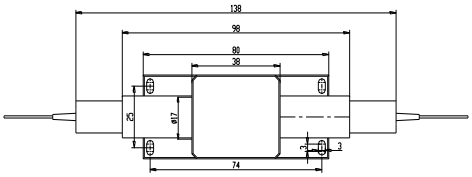
Polarization Independent Optical Isolator 1053nm

The 1050, 1053nm High Power 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 transmittion. 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.

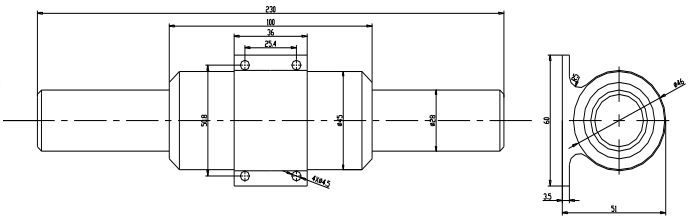
1-5W



10-20W



30-50W



Features

High Isolation
Low Insertion Loss
High Power Handling

Applications

Fiber Amplifier
Fiber Laser & Sensor
Lab & Research

Performance Specification

Parameter	Value		Unit
Center Wavelength	1050, 1053 or customized		nm
Bandwidth	±10		nm
Max. Optical Power (CW)	1, 3, 5, 10, 20	30, 50	W
Typ. Insertion Loss at 23℃	0.6	0.8	dB
Max. Insertion Loss at 23℃	1.0	1.2	dB
Typ. Peak Isolation	35		dB
Min. Isolation at 23℃	26		dB
Max. PDL at 23℃	0.15	0.2	dB
Min. Return Loss	50		dB
Max. Tensile Load	5		N
Fiber Type	HI 1060 fiber, 20/400 DC Fiber or Customized		
Operating Temperature	-5 to +50		℃
Storage Temperature	-20 to +75		℃
Package Dimension			mm

Note

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

Ordering Information

HPII-AAAA-BB-C-DD-EE-FF

AAAA	BB	C	DD	EE	FF
Wavelength	**Fiber Type**	**Fiber Jacket**	**Fiber Length**	**Connector**	**Power**
1030 - 1030nm 1040 - 1040nm 1050 - 1050nm 1053 - 1053nm 1064 - 1064nm 1080 - 1080nm SSSS - Specify	H6 - HI 1060 Fiber 20 - 20/400um DCF SS - Specify	B - 250um Bare Fiber L - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None	01 - 1W 03 - 3W 05 - 5W 10 - 10W 15 - 15W 20 - 20W 30 - 30W 50 - 50W SS - Specify

sales@of-link.com

RoHS