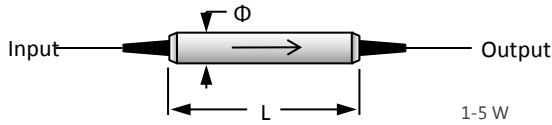


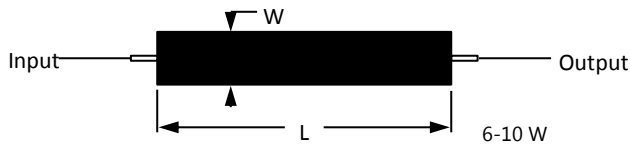
High Power PM Fiber Isolator 1550nm

The 1550nm High Power Polarization Maintaining (PM) Fiber Isolator is an in-line micro-optic component that allows light to be transmitted only in the forward direction while blocking the backward transmission. It's built with PM Panda fiber and designed to maintain the polarization of the input light with high extinction ratio. The PM isolators are commonly used to protect lasers or amplifiers against back-reflected light. Dual stage isolator means two single stage isolators are packaged into one compact housing. High power up to 10W available upon



Features

- High Isolation & ER
- 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	1310, 1480, 1550 or customized		nm
Bandwidth	±20		nm
Typ. Insertion Loss at 23°C	0.35	0.4	dB
Max. Insertion Loss at 23°C	0.5	0.6	dB
Typ. Peak Isolation	42	58	dB
Min. Isolation at 23°C	28	48	dB
Min. Extinction Ratio for slow axis working type	25		dB
Min. Extinction Ratio for both axis working type	22		dB
Min. Return Loss	55		dB
Max. Optical Power (CW)	1, 3, 5, 6, 10		W
Max. Tensile Load	5		N
Fiber Type	PM Panda Fiber		
Operating Temperature	-5 to +50		°C
Storage Temperature	-20 to +75		°C
Package Dimension	Φ5.5×L35 for 1-5W, L80×W12×H10 for 6-10W		mm

Note

- * For pulse applications, pls discuss with OF-LINK.
- * Connectors only CW 1W handling power guarantee if added.
- * PM fiber and connector key are aligned to slow axis.

Ordering Information

HPMI-AAAA-B-C-DD-EE-F-GG

AAAA	B	C	DD	EE	F	GG
Wavelength	Stage	Fiber Jacket	Fiber Length	Connector	Axis Alignment	Power
1310 - 1310nm	S - Single Stage	B - 250um Bare Fiber	05 - 0.5m	NE - None	F - Fast Axis Blocked	01 - 1W
1480 - 1480nm	D - Dual Stage		08 - 0.8m	FA - FC/APC	Slow Axis Working	03 - 3W
1550 - 1550nm		L - 900um Loose Tube	10 - 1.0m	FP - FC/PC	B - Both Axi's Working	05 - 5W
SSSS - Specify			15 - 1.5m	SA - SC/APC		10 - 10W
			SS - Specify	SP - SC/PC		SS - Specify
				LA - LC/APC		
				LP - LC/PC		
				SS - Specify		