Fiber Inline Polarizer

(400nm to 2300nm, all fiber types)

Product Description

The In-line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert no-polarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its polarization properties. We offer all possible fiber coupling combinations: PM to PM, SM to PM, SM to SM. High power version is also available in which a third port is added to guide the unwanted light out. Our design minimizes component assembly costs and module footprint while increasing stability over a wide temperature and wavelength ranges.

Features

- Low Cost
- All Wavelength
- All Fiber Type
- Compact Design

Performance Specifications

Fiber Coupled Power Monitor	Min	Typical	Max	Unit
Wavelength	450	2300		nm
Wavelength Bandwidth	-40	+40		nm
Insertion Loss		0.3	0.5	dB
Polarization Extinction	25	30	35	dB
Optical Power Handling	0.5		10	W
Tensile load		5		N
Return Loss	50			dB
Operating Temperature	-5		75	°C
Storage Temperature	-40		85	°C
Reliability		Telcordia 1209 and 1221		
Package Dimension		Ø 6.0 x L 18		mm

Notes:

1. Insertion Loss excluding connectors.

Applications

- Laser
- Device
- Instruments

15 Presidential Way, Woburn, MA 01801 Tel:(781)935-1200 Fax:(781)935-2040

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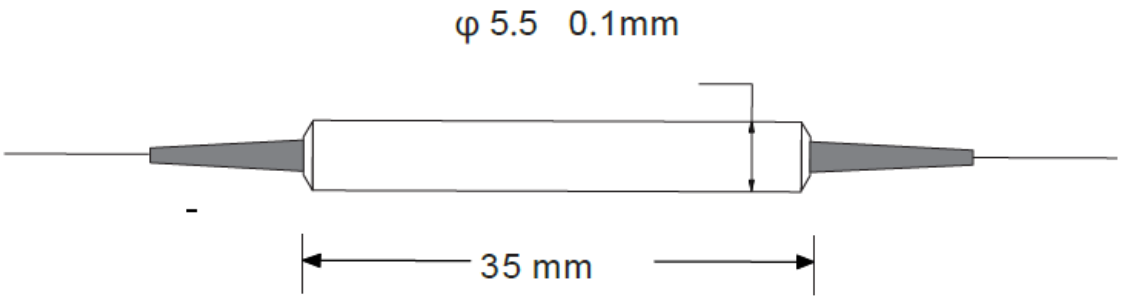
Mechanical Footprint Dimensions (Unit:mm)



Standard Package for Infrared Band. For other wavelength band, size may vary due to crystal configurations.

Ordering Information

FILP-	☐	☐	☐	☐	1	☐	1	☐	☐
	Wavelength	Package	Input Fiber	Output Fiber		Fiber Type		Fiber Length	Connector
	1060=1 1310=3 1420=4 1550=5 980=9 850=8 780=7 650=6 550=5 Special=0	Standard=1 Special = 0	SM= 1 PM=2	PM =1 Special =0		900umTube=3 Bare fiber =1 3mm tube =4 Special = 0		0.25m= 1 0.5m = 2 1.0 m= 3 1.5 m= 5 Special =0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 LC = 7 Special = 0

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