

Fiber Inline Polarizer

(400nm to 2300nm, ER-25, 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.



Performance Specifications

Parameter	Min	Typical	Max	Unit
Wavelength	450		2300	nm
Wavelength Bandwidth	-40		+40	nm
Insertion Loss		0.3	0.5	dB
Polarization Extinction	25		29	dB
Optical Power Handling	0.2		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		∅ 6.0 x L		mm

Notes:

1. Insertion Loss excluding connectors.

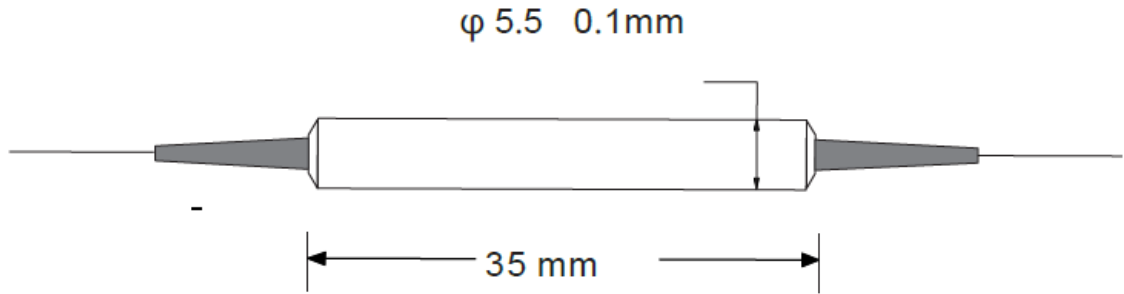
Features

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

Applications

- Laser
- Device
- Instruments

Mechanical Footprint Dimensions (Unit:mm)



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

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

Prefix	Wavelength	Package	Input Fiber	Output Fiber	Power	Fiber Cover	ER	Fiber Length	Connector
FILP-	1060 = 1 1310 = 3 1420 = 4 1550 = 5 980 = 9 850 = 8 780 = 7 650 = 6 550 = W Special = 0	Standard = 1 Special = 0	SM28 = 1 PM1550 = 2 PM1310 = 3 Hi1060 = 6 Special = 0	PM1550 = 1 PM1310 = 3 PM1060 = 6 Special = 0	200mW=1 500mW=2 1W=3 2W=4 5W=5 10W=9	Bare Fiber = 1 900umTube=3 3mm tube = 4 Special = 0	>25 = 1 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

Red is special orders

NOTE:

- PM1550 fiber works well for 1310nm