



In-Fiber Circular Polarizer

Chiral Photonics, Inc. (CPI), introduces an all-glass, in-fiber polarizer based on its proprietary chiral technology that provides a circularly polarized output in a fiber format.

The polarizer can be manufactured to meet your spectral and performance specifications, including central wavelength, bandwidth and extinction ratio requirements. Specifications and an exemplary spectrum are shown below.

Pigtailing and connectorization of the device can be customized as needed. Harsh environment requirements can also be accommodated, including chemical, temperature and radiation resistance.

Please call us to discuss your specific requirements and receive a prompt quotation.

Applications:

- Polarization measurement and control
- Optical sensors
- Test and measurement instrumentation
- R & D

Specifications:

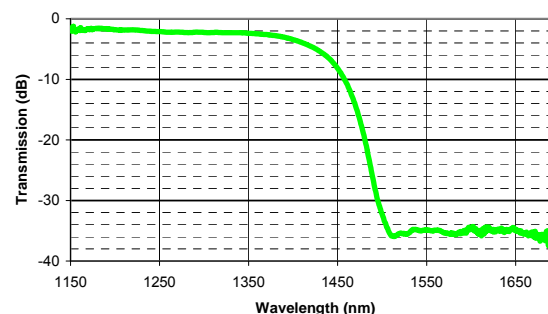
PROPERTIES				
Central Wavelength ¹	980 nm	1064 nm	1310 nm	1550 nm
Bandwidth	>50 nm			
Extinction Ratio ²	>25 dB			
Typical Insertion Loss	<2 dB			
Package Style	Flexible stainless steel microtube (28 cm long) under 900 μ m furcation tubing			
Pigtails ³	PM or SM, 1 m, inside 900 μ m furcation tube			
Operating Temperature	-50 to +50°C			
Storage Temperature	-70 to +85°C			

¹Other wavelengths available upon request

²This extinction ratio is guaranteed at the polarizer output but pigtail choice and handling may affect resultant output. Passing polarization can be either right- or left-handed.

³Connectorization available upon request. Typical output fiber is commercially available PM fiber that maintains circular polarization, such as manufactured by [IVG Fiber](#).

Exemplary Spectrum:



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