

800 & 1060nm Inline Polarizer

Inline polarization control for 800 nm applications

FEATURES:

- High extinction ratio
- Low insertion loss
- All-in-line design
- Thin compact packaging

APPLICATIONS:

- PM fiber lasers (CW/pulsed)
- High speed 800 nm systems
- TM PM fiber systems
- Device characterization

The In-Line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties. The 800 nm polarizer is an excellent solution for the emerging market of TM and fiber laser systems, both CW and pulsed, as well as for characterization of passive and active 800 nm optical components and fibers.

SPECIFICATIONS*

Center wavelength (λ_c)	800, 1060 nm
Bandwidth	$\lambda_c \pm 20$ nm
Typ Insertion loss @23°C	0.8 dB
Insertion loss @23°C	≤ 1.0 dB
Typ Extinction ratio @23°C	28.0 dB
Extinction ratio @23°C	≥ 25 dB
Fiber Type	PM850, PM800
Max optical power (CW)	300 mW
Return loss	≥ 50 dB
Fiber Length	0.80 m
Operating temperature	-5°C to 70°C
Storage temperature	-40°C to 85°C

* Specifications are given for device without connectors. IL is 0.3 dB higher, return loss is 5 dB lower and ER is 2 dB lower for each connector added.

Fiberlogix

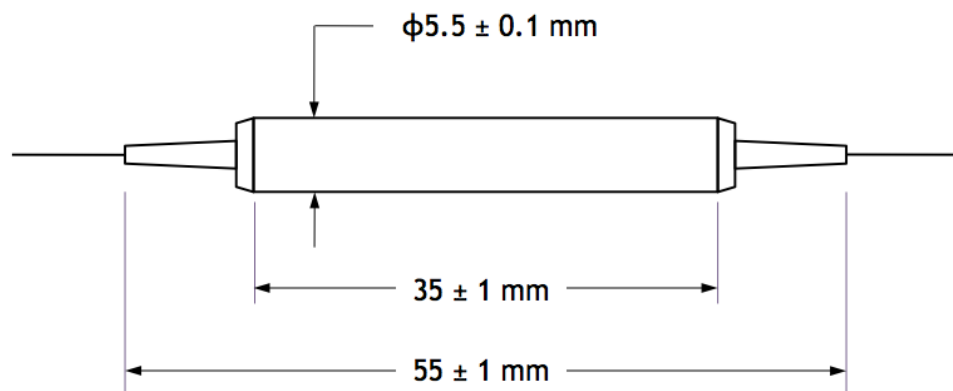


800 nm Inline Polarizer

Inline polarization control for 800 nm applications

PACKAGE FOOTPRINT

All dimensions are approximate and may vary slightly.



ORDERING INFORMATION

Part Number: PIP-28-80-PP-0-1.

Specify Connector and Fiber types required.

Fiberlogix

Ashley House, Vale Industrial Park, Tolpits Lane, Watford, Herts WD18 9QP, United Kingdom
Tel: +44 (0)1923 777 766 Fax: +44 (0)1923 777 100 Email: sales@fiberlogix.com
Web: www.fiberlogix.com