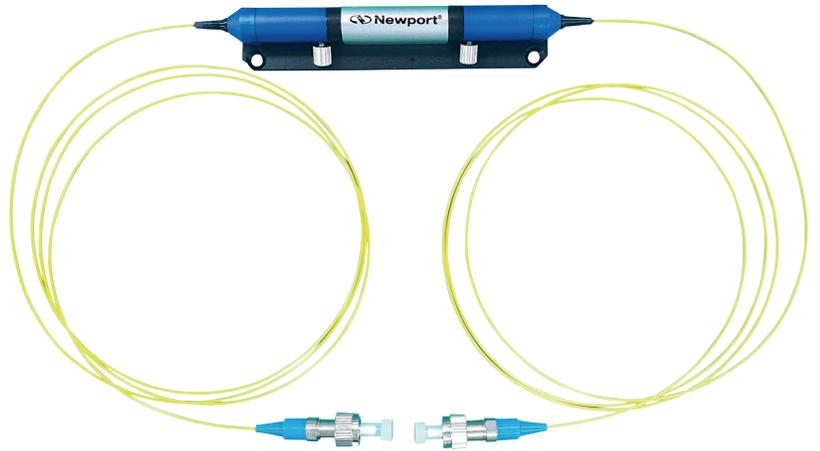


In-line Polarization Controller

F-ILPC

 | Newport™

F-ILPC is suitable for fiber optic systems and experiments where small size is especially needed. Although it performs complete functions of bulky conventional polarization controllers, it fits in most rack mountable housings and electronic circuit boards. F-ILPC is pigtailed with conventional communication fiber and can be easily installed in systems without any difficulty.



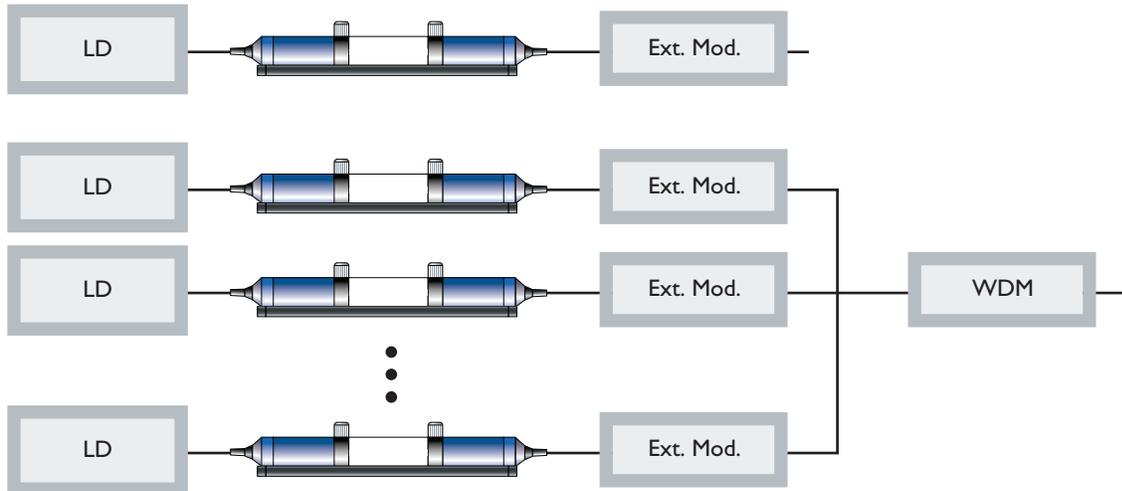
Features

- Super compact size
- Easy to system integration
- No squeeze on fiber
- No damage on fiber jacket
- Two independent control parameter
- Low loss
- High shock endurance
- Miniature In-line Polarization Controller

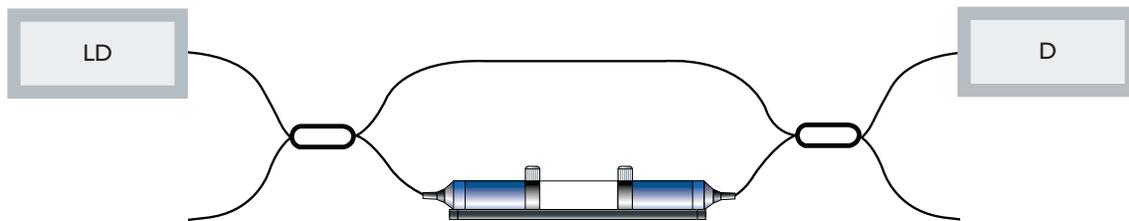


Applications

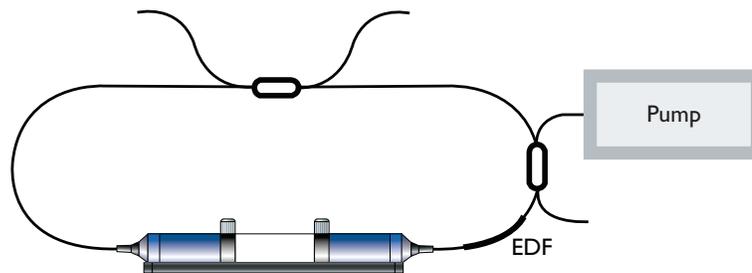
1. Polarization control for optical devices to match polarization state



2. Polarization control for fiber optical interferometers

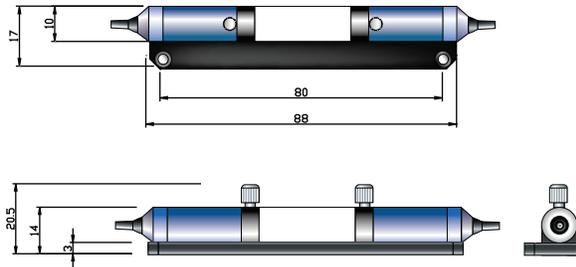


3. Polarization control in laser cavity



LD:Laser Diode Ext.Mod:External Modulator D:Detector EDF:Erdium-Doped-Fiber

Dimensional Drawing



Specifications

Model	F-ILPC-13	F-ILPC-13-PC	F-ILPC-13-APC	F-ILPC-15	F-ILPC-15-PC	F-ILPC-15-APC
Operating Wavelength	1280nm ~ 1340 nm	1280nm ~ 1340 nm	1280nm ~ 1340 nm	1520nm ~ 1620 nm	1520nm ~ 1620 nm	1520nm ~ 1620 nm
Insertion Loss	< 0.5 dB (< 0.3 dB typical) ⁽¹⁾					
Extinction Ratio	> 20 dB (> 25 dB typical)					
Back Reflection	< -60 dB (without connector)					
Dimensions (W × H × D)	88 × 17 × 19.5 mm					
Fiber Connectors	NA	FC/PC	FC/APC	NA	FC/PC	FC/APC

1) With FC/PC connectors

The specifications and technical information contained herein are subject to change without notice and are furnished without charge or obligation. They are given and accepted at recipients sole risks.

