

## 795nm In Line Polarizer

795nm In Line Polarizer is a fiber optic passive component which can be used for converting the non polarized light to a polarized light, it only allows the polarization light that paralleled to the polarizer to pass and block the other polarization, it also can be used to enhance extinction ratio of the polarization light. High power type is also available upon request.

### Application:

Fiber Optic Amplifier  
Fiber Optic Sensor  
Fiber Laser  
Lab And Research

### Features:

High Extinction Ratio  
High Power Available  
Low Insertion Loss  
High Reliability



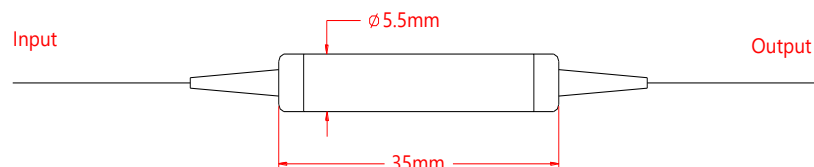
### Specification:

| Parameter               | Symbol    | Value                              | Unit |
|-------------------------|-----------|------------------------------------|------|
| Center Wavelength       | $\lambda$ | 795                                | nm   |
| Bandwidth               | BW        | $\pm 10$                           | nm   |
| Typ. Insertion Loss     | IL        | 0.8                                | dB   |
| Max. Insertion Loss     | IL        | 1.0                                | dB   |
| Typ. Extinction Ratio   | ER        | 28                                 | dB   |
| Min. Extinction Ratio   | ER        | 25                                 | dB   |
| Min. Return Loss        | RL        | 50                                 | dB   |
| Max. Optical Power (CW) | P         | 500                                | mW   |
| Max. Tensile Load       |           | 5                                  | N    |
| Fiber Type              |           | PM 780 Panda fiber or HI 780 fiber | -    |
| Operating Temperature   | T         | -5~70                              | °C   |
| Storage Temperature     | T         | -40~85                             | °C   |
| Package Dimension       |           | $\Phi 5.5 \times L35$              | mm   |

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

| ILP- <b>WWW</b> - <b>FF</b> - <b>J</b> - <b>LL</b> - <b>CC</b> |                                        |                      |              |              |
|----------------------------------------------------------------|----------------------------------------|----------------------|--------------|--------------|
| <b>WWW</b>                                                     | <b>FF</b>                              | <b>J</b>             | <b>LL</b>    | <b>CC</b>    |
| Wavelength                                                     | Fiber Type (Input/Output)              | Fiber Jacket         | Fiber Length | Connector    |
| 760 - 760nm                                                    | PP - PM fiber on input and output port | B - 250um Bare Fiber | 05 - 0.5m    | NE - None    |
| 780 - 780nm                                                    | SS - SM fiber on input and output port | 9 - 900um Loose Tube | 10 - 1.0m    | FA - FC/APC  |
| 785 - 785nm                                                    | PS - PM fiber on input port            | 2 - 2.0mm Loose Tube | 15 - 1.5m    | FU - FC/UPC  |
| 790 - 790nm                                                    | SM fiber on output port                | 3 - 3.0mm Loose Tube | 20 - 2.0m    | SA - SC/APC  |
| 793 - 793nm                                                    | SP - SM fiber on input port            |                      | SS - Specify | SU - SU/APC  |
| 795 - 795nm                                                    | PM fiber on output port                |                      |              | LA - LC/APC  |
| SSS - Specify                                                  |                                        |                      |              | LU - LC/UPC  |
|                                                                |                                        |                      |              | SS - Specify |