

## 671nm PM Fiber Polarizer 100mW



- **Product Description**

671nm Polarization-Maintaining Fiber Polarizer (In-line Polarizer)

- **Product features**

High extinction ratio、 Low insertion loss、 High return loss、 High reliability

## ● Part Number

MP-ILP-671-100-FA-L

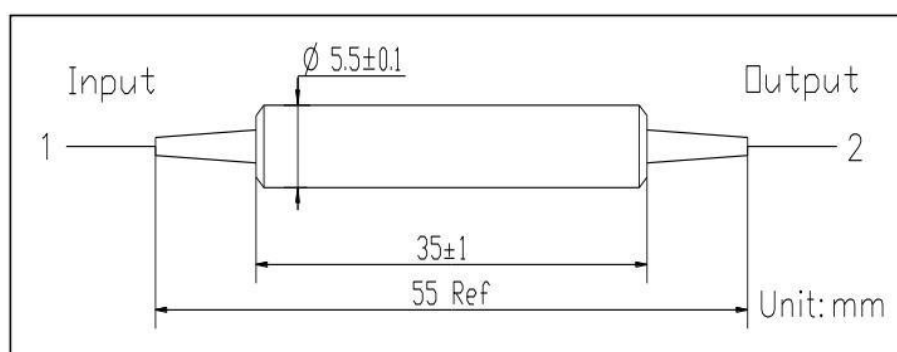
## ● Application area

Communication system 、 Testing equipment 、 Fiber Optic Sensor 、  
 Research

## ● Core parameters

| Wavelength | Insertion Loss |
|------------|----------------|
| 671nm      | 1.8dB          |

## ● Dimension Drawing



## ● General Parameters

| PARAMETER                                  | UNIT | Values                                 |
|--------------------------------------------|------|----------------------------------------|
| Central wavelength                         | nm   | 671                                    |
| Working wavelength range                   | nm   | ± 20                                   |
| Typ. Insertion loss                        | dB   | 1.8                                    |
| Max. Insertion Loss                        | dB   | 2                                      |
| Min. Return Loss                           | dB   | 50                                     |
| Typ. Extinction rate                       | dB   | 26                                     |
| Min. Extinction Ratio (Input to Output)    | dB   | 24                                     |
| Min. Extinction Ratio (Output to Input)    | dB   | 20                                     |
| Min. PDL (only for SM fiber in all ports ) | dB   | 18                                     |
| Max. Optical Power (CW)                    | mW   | 100 (only for Splitter)                |
| Max. tensile load                          | N    | 5                                      |
| Fiber Type                                 |      | Nufern PM460-HP or Nufern 460-HP Fiber |
| Operating temperature                      | °C   | -5 to +70                              |
| Storage temperature                        | °C   | -40 to + 85                            |

\*The above specifications apply to devices without connectors.

\*For devices with connectors, IL will be 1.5dB higher, RL will be 5dB lower, and ER will be 2dB lower.

\*PM fiber and connector keys are aligned with the slow axis.

\*Material must be RoHS compliant.

## Ordering Info

ILP-①①-②②-③③-④④-⑤

| ①①:<br>Wavelength | ②②: Connector Type<br>on Port 1& 2 | ③③: Fiber Jacket on Port 1&<br>Port 2 | ⑤: Fiber<br>Length |
|-------------------|------------------------------------|---------------------------------------|--------------------|
| 532 - 532nm       | 1- FC/UPC                          | B - Bare Fiber                        | 1 - 1.0m           |
| 630 - 630nm       | 2- FC/APC                          | L - 900um Loose Tube                  | S - Specify        |
| S - Specify       | 3- SC/UPC                          | S - Specify                           |                    |
|                   | 4- SC/APC                          |                                       |                    |
|                   | N - None S - Specify               | ④④: Fiber Type on Port 1 & 2          |                    |
|                   |                                    | 1 - Nufern PM 460-HP Fiber            |                    |
|                   |                                    | 2 - Nufern 460-HP Fiber               |                    |
|                   |                                    | 3 - Nufern PM 630-HP Fiber            |                    |
|                   |                                    | 4 - Nufern 630-HP Fiber               |                    |