

# In-line Polarization Controller, 1310nm SMF-28e fiber



## ● Product Description

Low insertion loss, high return loss, high operating power, epoxy-free optical path. Product applications: PM testing systems, laboratory testing.

## ● Part Number

ILDP-31-B-2-2-2-10-1-1

## ● Product features

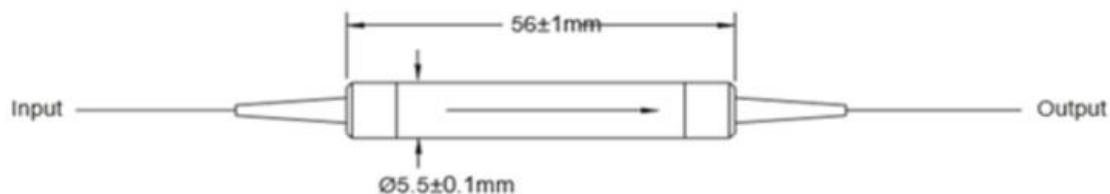
Low insertion loss 、 High return loss 、 High operating power 、 Epoxy-free optical path 、 PM testing systems 、 Laboratory testing

## ● Application area

Display panel testing 、 LED lighting flicker analysis 、 Toy light flicker frequency and power measurement 、 Gas analysis

## Dimensional Drawing

### B Package



## Main Parameters

Parameters	Index
Operating Wavelength	1310 or 1550
Bandwidth	$\pm 20\text{nm}$
Insertion loss	$\leq 1.0\text{dB}$
Degree of Polarization (DOP)	$\leq 10\%$
Return loss	$\geq 50\text{dB}$
Fiber type	Input: Polarization-maintaining fiber
	Output: Single-mode fiber
Optical power	$\leq 500\text{mW}$
Polarization direction	Polarized light emitted to the slow axis of the input PM fiber
Operating temperature	-5 to +70° C
Operating temperature	-40 to +85° C
Package size	B= Ø 5.5 x L56

Note:

High-power handling products can be provided upon request.

For devices with connectors, insertion loss will increase by 0.3 dB, and return loss will decrease by 5 dB.

## Port Configuration



## Model Example

