

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.

- **Product features**

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

- **Part Number**

MP-OFD-31-B-2-2-2-10-1-1

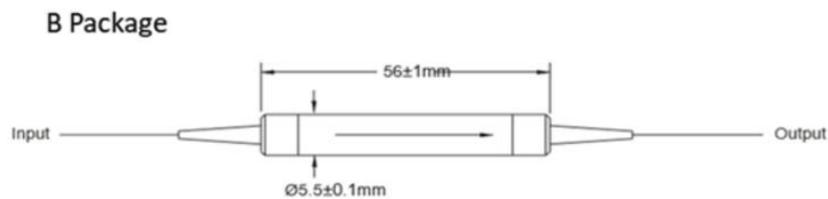
● Application area

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

● Core parameters

Center Wavelength	Bandwidth	Insertion Loss
1310nm	$\pm 20\text{nm}$	$\leq 1.0\text{dB}$

● Dimension Drawing



● General Parameters

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=Ø5.5x 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

ILD	Operating Wavelength	Package	Input Fiber Type	Output Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector
	31=1310 nm 55=1550 nm	B= B package	M= PM1310 N= PM1550	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL (G.657.B3)	1=Bare fiber 2=900um loose tube	05=0.5m 07=0.75m 10=1.0m . .	0= None 1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC	0= None 1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC

*1=SMF-28(G.652) is available upon request.