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

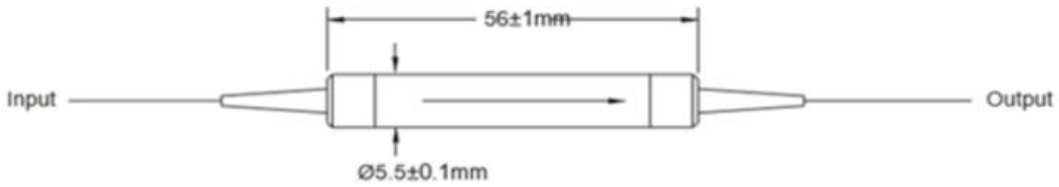
Display panel testing 、 LED lighting flicker analysis 、 Toy light flicker frequency and power measurement 、 Gas analysis

Core parameters

Center Wavelength	Bandwidth	Insertion Loss
1310nm	±20nm	⩽1.0dB

Dimension Drawing

B Package



General Parameters

Main Parameters

Parameters	Index
Operating Wavelength	1310 or1550
Bandwidth	±20nm
Insertion loss	⩽1.0dB
Degree of Polarization (DOP)	⩽ 10%

Return loss	⩾50dB
Fiber type	Input: Polarization-maintaining fiber
	Output: Single-mode fiber
Optical power	⩽ 500mW
Polarization direction	Polarized light emitted to the slow axis of the input PM fiber
Operating temperature	-5 to +70℃
Operating temperature	-40 to +85℃
Package size	B=Ø5.5 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

ILDP	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.