



Fixed Fiber Delay Line

I&Optics' fixed fiber delay line can provide precision delay with a fiber of accurate length. It features continuous precision delay, extremely low insertion loss and wavelength independent due to our unique technology. It can be used in lasers, LiDARs, telecom, sensors, OCTs, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1x1
Nominal Center Wavelength	-	nm	633, 780, 850, 980, 1064, 1310, 1550, 2000 or Specify
Wavelength Range	-	nm	+/-40
Max. Insertion Loss	Port 1 to Port 2	dB	Limited by Fiber's Attenuation
Nominal Optical Delay	-	ns	Ranging from 2 to 1000 or Specify
Delay Resolution	-	mm	+/-5 or Specify
Max. PDL	Port 1 to Port 2	dB	0.05
Min. Return Loss	-	dB	60
Max. Power Handling Rate	Continuous Wave	mW	300 or Specify
Fiber Type	-	-	Single Mode Fiber or Specify
Max. Fiber Tensile Load	-	N	5
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above values are for device without connectors. For device with connectors, IL will be 0.3dB (for 980~2000nm) or 0.5dB (for 633~850nm) higher and return loss will be 50dB.

Package Dimensions

Detailed Informations And Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

FFDL-①-②-③-④-⑤-⑥

① - Center Wavelength

63 - 633nm

78 - 780nm

85 - 850nm

98 - 980nm

06 - 1064nm

31 - 1310nm

55 - 1550nm

20 - 2000nm

SS - Specify

② - Fiber Type

1 - SM 650 Fiber

2 - HI 780 Fibr

3 - HI 1060 Fiber

4 - SMF-28e Fiber

5 - SM 1950 Fiber

③ - Optical Delay

XX - (Actual Required Delay in ns)

④ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - No Connector

⑤ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m