Motorized Delay Line

High-speed optical communication and various experiments may require a specific light emission timing. However, adjustment of a light emission timing is not as easy as adjustment of electrical passive devices.

This product enables highly precise and stable adjustment of the amount of delay for transmission paths, such as light transmission timing control.

Features

- Low insertion loss and low insertion loss fluctuation
- High amount of delay: Max 400 psec
- High resolution
- Manual operation and USB for external control capability

Typical Specifications

Model	RDL05C
Wavelength	1550 nm or 1310 nm
Insertion Loss	≤ 1.5 dB (including loss fluctuation)
Loss Fluctuation	≤ 0.15 dB
Return Loss	≥ 50 dB
Amount of Delay	Max. 400 psec
Resolution	≤ 0.005 psec
PDL	≤ 0.1 dB
Optical Fiber	SMF, DSF or PMF
Optical Adapter	SC/FC Inter-Exchangeable Type Adapter

Rating

External Control	USB
Power Source	AC 90-240 V
Power Consumption	≤ 30 [W]
Operating Temperature	10-45 [deg C]
Storage Temperature	0-60 [deg C]
Dimensions (W x H x D)	260 x 99 x 280 [mm]
Weight	5 [kg]

Ordering Instructions

+Motorized Optical Delay Line

Order format: RDL05C - (1) - (2) / (3)

Order format example: RDL05C-15-S/F

(Wavelength=1550nm, Fiber: SMF, Connecter: FC/SPC

(1) Wavelength	15: 1550 nm 13: 1310 nm
(2) Optical Fiber	S: SMF D: DSF P: PMF
(3) Types of Polish	F: FC/SPC S: SC/SPC FA: FC/Angled PC SA: SC/Angled PC *When you chose the Angled PC, the adapter is the fixed type.