

# Optical Delay Line

## DODL



DODL is a manually controlled variable optical delay line and provides low cost, precision optical path length adjustment. The standard device has a delay range of 330ps for single pass mode. Delay is shown on the readout on the top side, both in ps and mm. This device is suitable for precision optical path length control or timing alignment.

## Order Information

### DODL - W - F - L - CT

<b>W: wavelength</b>	13=1310nm; 15=1550nm; 35= 1310& 1550nm; C=Custom
<b>F: Fiber type</b>	09= 0.9mm loose tube; 3=3mm fiber cable;
<b>L: Fiber length</b>	10=1m; 15=1.5m; C=Custom
<b>CT: Connector Type</b>	FC/APC; FC/PC; SC/APC; SC/PC; NC=No Connectors; C=Custom

## Specifications\*

Optical Delay Range	0~330ps(100mm)
Readout Resolution	0.17ps(50um)
Optical Delay Accuracy	3.4ps(0.1mm)
Insert Loss	<1.2dB
Insert Loss Variation	±0.3dB
Return Loss	>55dB
Operating Wavelength	1260nm~1650nm
Optical Damage Power Threshold	300mW
Operating Temperature	0~50°C
Storage Temperature	-20~70°C
Size	110x45x29mm
Fiber Type	SMF-28e

Note: Specifications in table is measured over 1550nm without connectors.

## Application

- Optical interferometer
- Optical Coherence Tomography
- Coherent telecommunications
- Spectrum analyzers
- Radar calibration
- Optical network testing

## Features

- Low insert loss
- Compact
- High stability & reliability
- Low cost