



Motorized Optical Delay Line DMODL

Motorized Optical Delay Line DMODL provides low cost, precision optical path length adjustment and delay scanning functionality. The standard device has 8 channels and a delay range of 36ps for each channel. For each channel, an electrically controlled VOA is optional. The delay line is easily controlled by a computer via RS-485 interface. This device is suitable for precision optical path length control or timing alignment.

Order Information

DMODL - T - W - F - L - CT

V: attenuator	V=with attenuator; NC=without
W: wavelength	13=1310nm; 15=1550nm; 35= 1310& 1550nm; C=Custom
F: Fiber type	09= 0.9mm loose tube; 3=3mm fiber cable;
L: Fiber length	10=1m; 15=1.5m; C=Custom
CT: Connector Type	FC/APC; FC/PC; SC/APC; SC/PC; NC=No Connectors; C=Custom

Specifications*

Optical Delay Range	0~36ps
Optical Delay Resolution	20um
Optical Delay Accuracy	40um
Insert Loss	<2dB
Insert Loss Variation	0.5dB
Return Loss	>55dB
Optical Attenuator Range	0~30dB
Operating Wavelength	1260nm~1650nm
	300mW
Electrical Interface	RS-485(J30J-9ZK)
Operating Temperature	0~50°C
Storage Temperature	-20~70°C
Size	210x150x30mm
Fiber Type	SMF-28

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