

# **Motorized Optical Delay Line (PM)**



#### **APPLICATIONS**

- Control time delay between the end of an optical fiber link and an optical end station
- Control time delay between two optical sources

#### **DESCRIPTION**

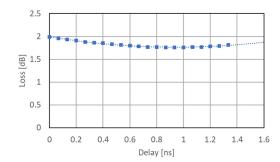
The fiber coupled, polarization maintaining, optical delay line allows remote-controlled change of optical path length, with small variation in insertion loss over the travel range, and motorized control of the delay. Remote-control of the internal motor is done via an RS-232 interface.

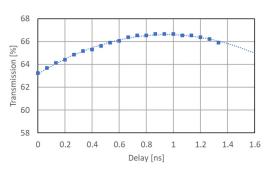
## **SPECIFICATIONS**

Parameter	Value			Unit
Maximum Delay	1	1.5	3	ns
Minimum step size	<1	<1.5	<1.5	ps
Optical Input	Linearly polarized, aligned to slow axis,			
Optical Output	FC or SC connector			
Wavelength	1030, 1300, 1550			nm
Insertion loss (IL)*	< 2.5	<2.5	<3	dB
Variation of IL over travel range	+/- 0.2	+/- 0.3	+/- 0.4	dB
Polarization extinction ratio	> 15			dB
Control interface	RS232			

<sup>\*</sup>include connector loss

## SAMPLE INSERTION LOSS MEASUREMENTS





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