

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, FC or SC connector			
Optical Output				
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			

*include connector loss

SAMPLE INSERTION LOSS MEASUREMENTS

