Electric Optic Delay Line

Features:

Space Efficient
Highest delay to length ratio
Long delay: more than 15000ps
Free space model available
Rugged design

Applications:

Passive time division multiplexing
TDM bit alignment
Fiber interferometers

Specifications

Parameter	Value
Wavelength Range	C-Band or L-Band OR Other Wavelength
Optical Delay Range	0~100 ps continuous for 100ps model
	0~330 ps continuous for 330ps model
	0~600 ps continuous for 600ps model
	0~1500ps continuous for 1500ps model
Readout Scale Resolution	0.05ps
Insertion Loss	typ.0.8dB,max 1.2dB
Insertion Loss Variation	±0.25dB over entire range for 100ps model
	±0.35 dB over entire range for 330ps model
	±0.55 dB over entire range for 600ps model
	±1.5 dB over entire range for 1500ps model
Return Loss	> 55 dB
Extinction Ratio	>18 dB
Operating power (optical)	max 500mW
Optical Power Handling	0~50℃
Operating Temperature	-40~65℃
Fiber Type	Conning SMF-28,or Fujikura PM Panda fiber
Size (L x W x H)	89 x 33X34mm for 100ps model
	124 x 33X34mm for 330ps model
	165 x33X34mm for 600ps model
	302 x 33X34mm for 15000ps model

Ordering Information

COF	Delay	Fiber Type	Fiber Length	Connector
	10=100ps 33=330ps 60=600ps 150=15000ps XX=others	S9=SMF 900um M5=MMF 50/125/900um M6=MMF 62.5/125/900um PM= PM Panda XX=others	1=1.0m 2=2.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC

Typical Performance Data:

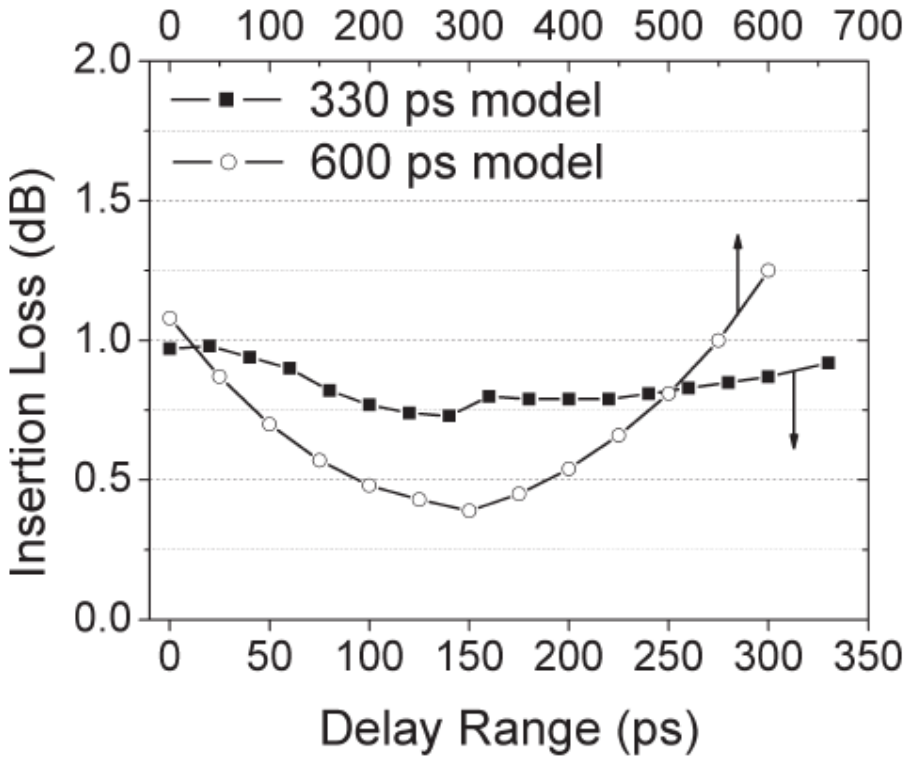
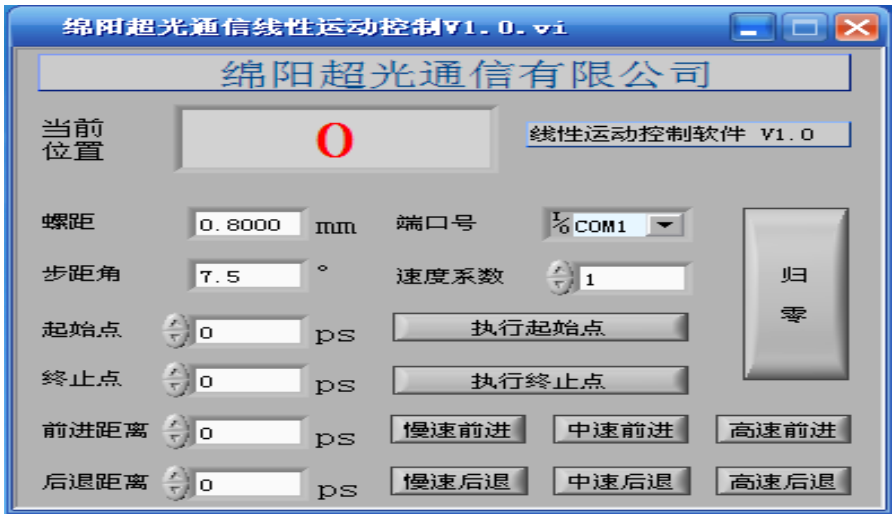


Figure 1. Insertion loss vs. optical delay.

Introduction:

Thank you for using our company's fiber components, please read the introduction before you use it. Our company's technical level is the leading one in the fiber field, welcome to provide valuable suggestions.

一、Software interface



Explanation: screw pitch: it used in the devices precision calibration, stepping angle: software locked.

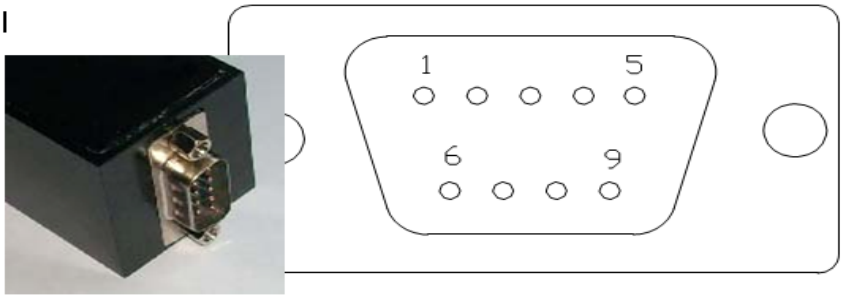
Before using the software please set good starting point, port, this produce's speed coefficient 1 ~ 10

二、Driver：

Note:

1. Please use standard power adapter to power supply driver (or choose 12v, 800mA, direct current power)
2. Power at the anode is strictly prohibited, if you do not use as the explanation introduced, the driver burnt is not in warranty

三, The interface definition:



Explanations：

1. GND	2. SG1	3. NA	4. VO5	5. NA
6. A+	7. A-	8. B+	9. B-	