633nm Picosecond Tunable Fiber Delay Coil

Product Description

It takes attention, precision and skill to make the HPSDTDC-633's hand-made compact and low-loss fiber coils. Our F-TDC compact time delay coils feature a proprietary manufacturing process that provides extremely low insertion loss while meeting your budget and small space requirements.

Product features

Compact size、 Low insertion loss、 Choose your own delay length、 Rugged construction、 Easy to use

Part Number

MP-TDC-M-633-530ps-PA

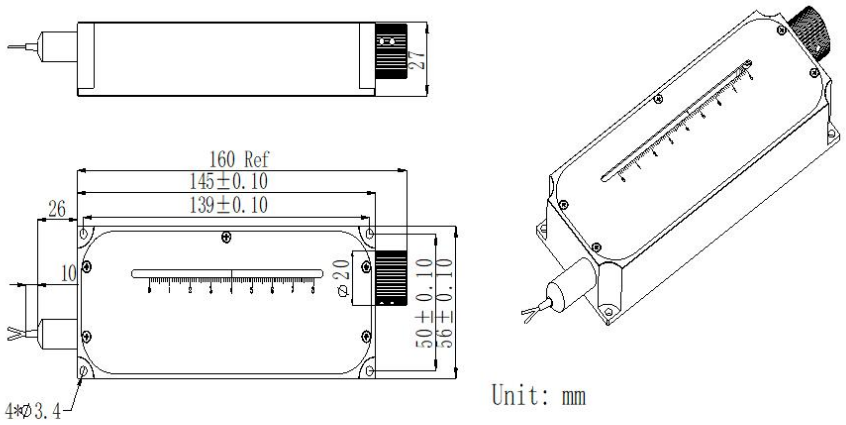
Application area

Optical buffers for optical networks、 Gyroscopes, sensors and signal processing、 Radar and instrument calibration、 Laser spectroscopy、 Time delays for optoelectronic oscillators、 Nonlinear fiber loops、 Fiber network testing and analysis、 Optical packet switching, buffering, routing and input/output synchronization

Core parameters

Center Wavelength	Fiber Delay Range	Zero Delay Offset
633nm	0-530ps	170ps

Dimension Drawing



Axis Alignment for PM Fiber: Both Axis Working

General Parameters

Parameter

parameter	Unit	Indicator
Central wavelength	nm	633
Fiber delay range	ps	0-530
Zero delay offset	ps	170
Reading scale resolution	mm	1
Maximum insertion loss @λc; +0.5dB connector loss	dB	1.7
Maximum loss vibration	dB	0.5
Minimum extinction ratio (PMF); -2dB connector loss	dB	18
Minimum return loss (Port 1/Port 2); -5dB connector loss	dB	45/45
Connector type	FC/APC	
Fiber type	900um loose tube Nufern PM630-HP fiber	
Fiber length	m	1
Maximum optical power (CW)	mW	300
Operating temperature	℃	0 to+40 (No Condensing)
Storage temperature	℃	-40 to +85 (No Condensing)