

Compact Time Delay Coil

Winding a large fiber spool is easy; but making compact and low loss fiber coils demands attention, precision, and skills. With specially designed & computerized machinery and proprietary manufacturing process, we can produce extremely low insertion loss fiber coils that fit your budget and tight space. No more large fiber spools to occupy your precious space and no more high loss associated with the small size! Our optical fiber coil fills a long overdue vacuum in the photonics market, where large time delay and small size are essential. Each coil is ruggedly packaged to withstand various environments in field applications. Bare coils are available for OEM applications.



Specifications:

Insertion Loss	< 0.3 dB/km typical, < 0.5 dB/km max. (above intrinsic loss)
Fiber Length	10 m up to 4 km
Optical Delay	Nanosecond to microsecond depending on fiber length and type
Operating Wavelength	1260 ~ 1650 nm standard, others specify
Fiber Type	Corning SMF-28 standard, others specify
Operating Temperature	-40 ~ 85 °C
Storage Temperature	-40 ~ 85 °C
Dimensions	Ø 3.5" (I.D.) standard 6.00" x 6.00" x 1.59" with enclosure

(Values are referenced without connectors)

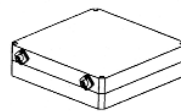
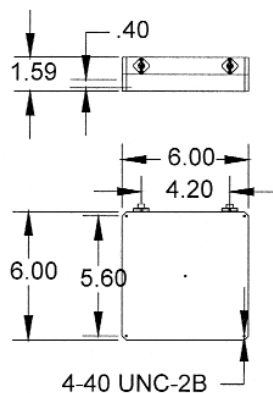
Features:

- Compact for easy integration into modules
- Low insertion loss
- Customized delay length
- Rugged construction
- Variety of fiber types
- Wide spectral response range
- Plug 'n' play for easy use

Applications:

- Optical buffer for optical networks
- Gyroscope, sensor, and signal processing
- Radar calibration and instrument calibration
- Laser spectroscopic measurement
- Time delay for opto-electronics oscillators
- Nonlinear fiber loop
- Optical network testing and analyzing
- Optical packet switching, buffering, routing and input/output synchronization

Dimensions: (Inch)



Ordering Information:

