

# Manually Variable Optical Delay Line - VariDelay™ I



General Photonics' motorized/manually variable optical delay line provides precision optical path variation of more than 10 cm (330 ps). The compact and rugged design makes the device ideal to be integrated in network equipment and test instrument for precision optical path length or timing alignment.

## Applications:

- Passive time division multiplexing
- TDM bit alignment
- Interferometers

## Preliminary Specifications

Insertion Loss	1.0 dB nominal
Insertion loss variation	+/-0.3 dB max. (the entire range)
Return loss	50 dB min.
Optic delay range	0 ps ~ 300 ps
Optic delay resolution	6.7 ps
Wavelength	1270 nm ~ 1650 nm
Operation Temperature	0°C to 40°C
Storage Temperature	-40°C to 60°C
PDL	0.1 dB max
Size	1" (H) x 2" (W) x 4" (L)

## Unique Features:

- Space Efficient
- Rugged
- Highest delay to length ratio
- Long Delay: more than 300 ps
- Low insertion loss variation