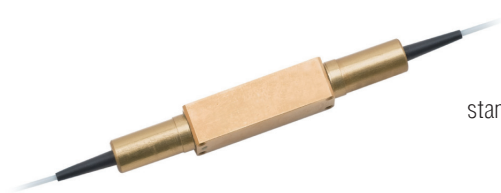


# Fixed Differential Group Delay- PolaDelay™



General Photonics' fixed differential group delay lines eliminate the need for precise measurement of PM fiber lengths to add defined amounts of first order PMD to a system. DGD values of up to 45 ps are available in the standard size package. Larger DGD values are also available by special request.

## Specifications:

|  |                                   |
|--|-----------------------------------|
| Operating Wavelength                   | 1550 ± 50 nm                      |
| Insertion Loss                         | 0.8 dB typical, 1.0 dB max        |
| DGD Value <sup>1</sup>                 | 0 ps to 45 ps standard            |
| DGD Calibration Accuracy               | ± (1 fs + DGD x 0.5%)             |
| 2 <sup>nd</sup> Order PMD <sup>2</sup> | < 30 ps <sup>2</sup>              |
| PDL                                    | < 0.2 dB                          |
| Return Loss                            | 55 dB                             |
| Operating Temperature                  | 0 to 70 °C                        |
| Storage Temperature                    | -40 to 85 °C                      |
| Optical Power Handling                 | 300 mW min.                       |
| Fiber Type                             | SMF - 28                          |
| Dimensions <sup>3</sup>                | 4.25" (L) × 0.31" (W) × 0.31" (H) |

Note: Values are referenced without connectors

1. DGD values cannot be continuously specified. Contact General Photonics for available values.

2. 2nd order PMD depends on DGD value.

3. Dimensions listed are for the standard package for DGD ≤ 45 ps. Package size may vary with DGD value.

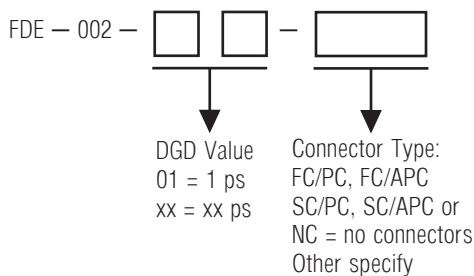
## Features:

- Large 1st order PMD up to 45 ps
- Compact size
- Low insertion loss

## Applications:

- PMD emulation
- PMD compensation
- TDM bit alignment

## Ordering Information:



## Dimensions (in inches):

