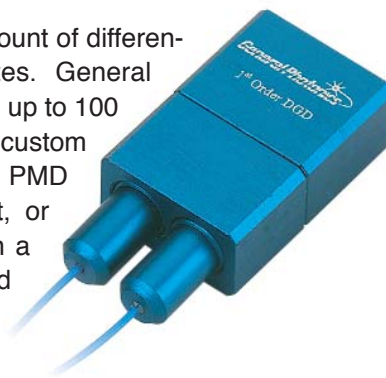


Fixed Differential Group Delay — PolaDelay™

No more large spools of PM fiber are needed for generating a large amount of differential group delay (DGD) between two orthogonal polarization states. General Photonics' compact device can provide pure first-order PMD with values up to 100 ps with the standard package. DGD values up to microseconds can be custom made with minimum charges. PolaDelay™ can be used to simulate the PMD effect in the fiber link, check the performance of testing equipment, or replace hundreds meters of PM fiber to equalize DGD accumulated in a transmission fiber link for a PMD compensator. The compact and rugged package provides high performance and superb environmental stability.



Specifications:

Operating Wavelength	1550 ± 50 nm
Insertion Loss	0.9 dB typical, 1.2 dB max.
DGD Value	0 ps to 100 ps standard
2 nd Order PMD	< 90 ps ²
Return Loss	55 dB
Operating Temperature	0 ~ 70 °C
Storage Temperature	-40 ~ 85 °C
Optical Power Handling	300 mW min.
Fiber Type	Corning SMF-28
Dimensions	28 x 18 x 10 mm

(Values are referenced without connectors)

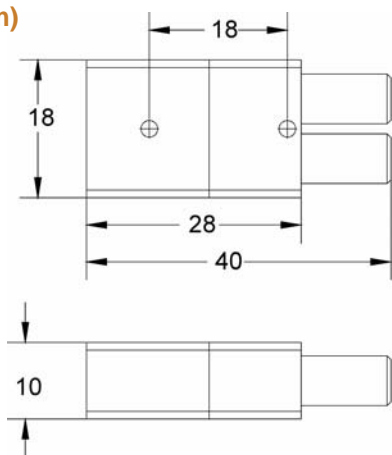
Features:

- Large 1st order PMD up to 100 ps
- Customized PMD up to μ s
- Compact size
- Low insertion loss
- Rugged design

Applications:

- PMD emulation
- PMD compensation
- TDM bit alignment

Dimensions: (mm)



Ordering Information:

FDE — 001 — —

DGD Value
01 = 1 ps
xx = xx ps

Connector type:
FC/PC, FC/APC
SC/PC, SC/APC or
NC = no connectors
Others specify

See page 26 and 28 for ProDelay™ and DynaDelay™