# 1310 / 1550 nm Fused WDM

## Applications:

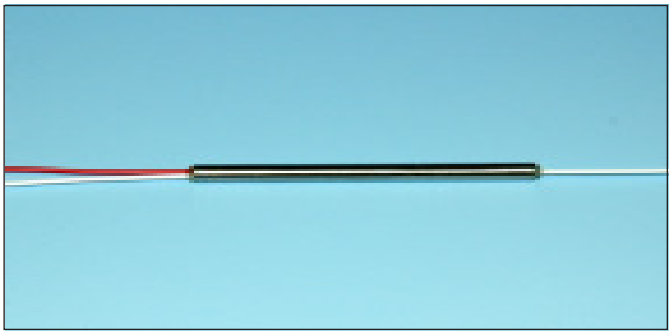
Telecommunications

LAN's

CATV

Metro Network

Subscriber Loop



## Features:

High Isolation

Low Insertion Loss

High Directivity

Low Polarization Dependent Loss

Epoxy-Free Optical Path

Bidirectional

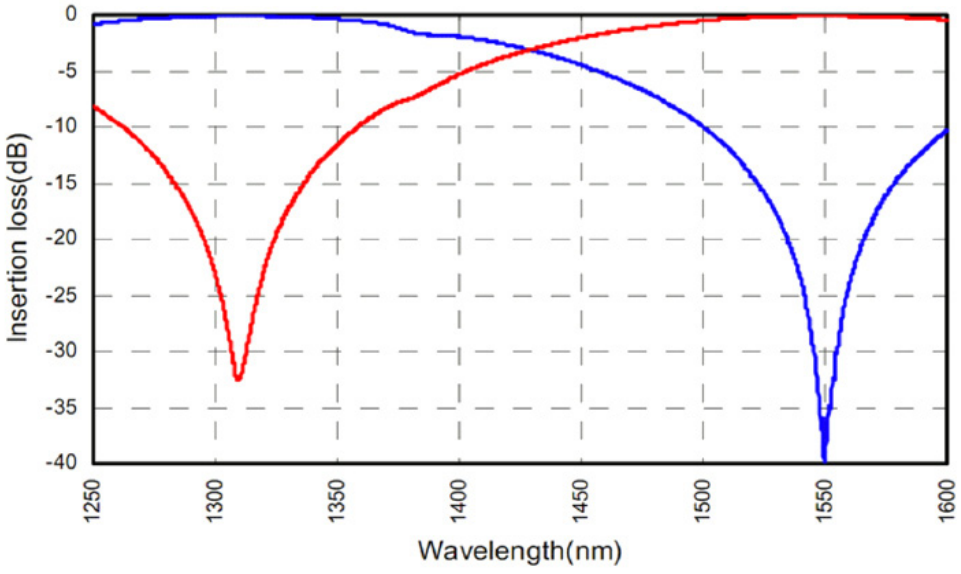
Exceptionally Stable and Reliable

Telcordia GR-1221 Compliant

## Description:

The Go!Foton 1310/1550nm Fused WDM modules are designed for multiplexing and demultiplexing two wavelengths at 1310 and 1550nm. These versatile, mux and demux products are based on Go!Foton's Fused Biconical Taper Fiber technology. This proven technology produces high quality 3-port devices with low PDL, low insertion loss and stable environment performance.

## Wavelength Spectrum:



## Specifications:

| Parameters | | Premium | | | Grade A | | |
|---|---|---|---|---|---|---|---|
| Wavelength Range 1310/1550 (nm) | | ±20 | ±15 | ±10 | ±20 | ±15 | ±10 |
| Insertion Loss (dB) | Max | 0.5 | 0.3 | 0.25 | 0.6 | 0.4 | 0.3 |
| Isolation (dB) | Min | 16 | 17 | 20 | 15 | 16 | 17 |
| Polarization Dependent Loss (dB) | Max | | 0.1 | | | 0.15 | |
| Directivity (dB) | Min | | | 60 | | | |
| Temperature Sensitivity (dB) | Max | | | 0.15 | | | |
| Operating Temperature (°C)[1] | | | | -40 to +85 | | | |
| Storage Temperature (°C)[1] | | | | -40 to +85 | | | |
| Package Dimension (mm) | | | | | | | |
| SMF-28e or Equivalent | | | | (ϕ) 3.0 x (L) 54 | | | |
| 900 μm Loose Tube | | | | (ϕ) 3.0 x (L) 65 | | | |
| 2.9mm Cable | | | | (L) 80 x (W) 12 x (H) 7.0 | | | |

[1] -10°C to 70°C for Loose Tube and Cable Package

## Ordering Information:

FFCW — X — 310 — 550 — X — X — X

**Product Category**
Fused WDM Related

**Grade**
P - P
A - A

**Wavelength**
310 - 1310.0nm

**Wavelength**
550 - 1550.0nm

**Package**
1 - SMF-28e Bare Fiber
2 - 900μm Loose Tube
C - 2.9mm Cable

**Pigtail Length**
1 - 1m(Std.)
9 - Others

**Connector Type**
0 - None
1 - FC/SPC
2 - FC/APC
3 - SC/SPC
4 - SC/APC
5 - LC
6 - MU
7 - ST
9 - Other

**Example:** FFCW-310-550-P-2-5-4
1310/1550 nm Fused Fiber WDM, Premium Grade, 900μm Loose Tube, 1m with SC/APC Connector on all port



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