

# TriWave-FTTP 1310/1490/1550 FWDMs (Three-Port)

CORNING

## Features and Benefits

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Outdoor Environment

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High Isolation

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Low Insertion Loss

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Bi-directional

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Epoxy-Free Optical Path

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Corning introduces the Triwave FWDM family of products. Designed for the fiber-to-the-home market, the Triwave utilizes a video signal ready analog PD with an integrated bi-directional filter WDM for high performance applications. Corning's filter WDM components also offer stable and reliable performance over a broad temperature range.

## Standards

<b>RoHS</b>	Free of hazardous substances according to RoHS2011/65/EU
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<b>Design and Test Criteria</b>	Product is qualified to Telcordia GR-1209-CORE and GR-1221-CORE
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## Specifications

Parameters	
1550 Pass Wavelength Range	1540-1560 nm
1310 and 1490 Wavelength Range	1260-1360 nm and 1480-1500 nm
Pass Channel Insertion Loss	< 0.5 dB
Reflect Channel Insertion Loss	< 0.4 dB
Pass Channel Isolation	> 25 dB
Reflect Channel Isolation	> 20 dB
Return Loss	> 45 dB
Directivity	> 50 dB
PDL	< 0.2 dB
PMD	< 0.2 ps
Maximum Optical Power	300 mW
Operating Temperature Range	-5°C to +65°C
Storage Temperature Range	-40°C to +85°C
Tensile Load (900 $\mu$ m Buffered)	5N Maximum

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
38 mm x 5.0 $\Phi$ mm (Not including boots)	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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## Ordering Information

TriWave-FTTP 1310/1490/1550 FWDMs (Three-Port)

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1 2 3 4 5

**1** Select Wavelength Range  
P: 1310/1550/1625 nm

**2** Select Mode  
2: Long Pass/Short Reflect

**3** Select Pigtail Type  
0: 250  $\mu$ m Tube  
2: 900  $\mu$ m Tube

**4** Select Connector\*  
A: None  
L: LC/PC  
P: FC/PC  
Q: FC/APC  
S: SC/PC  
T: SC/APC  
U: MU/PC

**5** Select Customization  
00: Standard or  
Running number used for  
special types or custom made

### Note:

\*Specifications do not include connector loss.

**These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or [oemsales@corning.com](mailto:oemsales@corning.com) and visit [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) for sales support.**



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