

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

CORNING

Features and Benefits

Outdoor Environment

High Isolation

Low Insertion Loss

Bi-directional

Epoxy-Free Optical Path

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

RoHS

Free of hazardous substances according to RoHS2011/65/EU

Design and Test Criteria

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	< 0.8 dB
Reflect Channel Insertion Loss	< 0.8 dB
Pass Channel Isolation	> 40 dB
Reflect Channel Isolation	> 40 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 μm Buffered)	5N Maximum

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
< 52.5 mm x 4.6 Φmm (Including boots)	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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Ordering Information

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1 **2** **3** **4** **5** **6**

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

2 Select Mode
2: Long Pass/Short Reflect

3 Select Pigtail Type
0: 250 μ m Tube
2: 900 μ 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 High Isolation
1: High Isolation

6 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 and visit www.corning.com/opcomm/oem for sales support.



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-408-736-6900 • www.corning.com/opcomm/oem • Email: oemsales@corning.com

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