

O-Band 200 GHz Dense WDM Mux and DeMux (Four Channel)

CORNING

Features and Benefits

High Isolation

Low Insertion Loss

Bi-directional

Epoxy Free in Optical Path

Low Total Integrated Cross Talk

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

Corning offers high performance 200 GHz Dense WDM Multiplexers and Demultiplexers in O-Band for Hybrid Fiber-Coaxial (HFC) applications. The thin film filter DWDM products rely on a unique technology to achieve superior field performance. These are available in standard LGX® boxes or custom packaging.



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Specifications

Parameters	Minimum	Typical	Maximum
Wavelength Range		1260-1495 nm	
Passband Width	$\lambda_c \pm 0.25$ nm		
Pass Channel Insertion Loss		1.6 dB	2.0 dB
Adjacent Channel Isolation	25 dB		
Non-Adjacent Channel Isolation	40 dB		
Optical Return Loss	45 dB		
Directivity	50 dB		
PDL			0.15 dB
PMD			0.1 5ps
Maximum Optical Power		300 mW	
Operating Temperature Range		-5°C to +65°C	
Storage Temperature Range		-40°C to +85°C	
Tensile Load (900 μ m Buffered)		5N Maximum	

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
158 mm x 100 mm x 29 mm (1ULGX)	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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Ordering Information

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D W 2 - 1 0 0 -

1 Select Mux or DeMux

- 0: Mux/DeMux Pair
- 1: Mux
- 2: DeMux

2 Select Package Type

- 2: 250 μm Box
- 3: 900 μm Box
- 4: Rack Mounted Module

3 Select Connector*

- A: None
- L: LC/PC
- P: FC/PC
- Q: FC/APC
- S: SC/PC
- T: SC/APC
- U: MU/PC

4 Select Customization

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



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