# 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

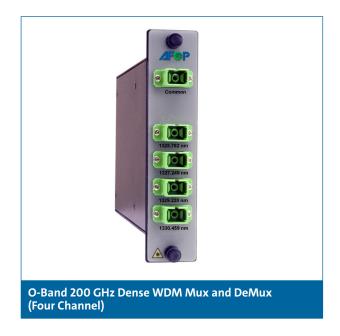| | |
|---|---|
| **RoHS** | Free of hazardous substances according to RoHS2011/65/EU |
| **Design and Test Criteria** | Product is qualified to Telcordia GR-1209-CORE and GR-1221-CORE |

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 | λc ± 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 µm 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) |

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

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## Ordering Information

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

D W 2 - ☐ 1 0 0 - ☐ ☐ 1 2 0

**1**   **2**  **3**   **4**

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

**RoHS COMPLIANT**

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