

# High Isolation Optical Add-Drop Multiplexer (200 GHz)

CORNING

## Features and Benefits

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High ADD/DROP Isolation

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Excellent Residual Isolation at Dropped Channel

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Bi-directional

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High Directivity

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Opoxy-Free Optical Path

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Corning offers a high channel isolation Optical Add-Drop Multiplexer (OADM) (200 GHz) for telecommunications and network applications. These thin film filters utilize proprietary technologies to achieve outstanding field performance. The thin film filter OADM is available in standard ITU wavelength ranges. Custom wavelengths and channel configurations are also available upon request.

## Standards

**RoHS**

Free of hazardous substances according to RoHS2011/65/EU

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**Design and Test Criteria**

Product is qualified to Telcordia GR-1209-CORE and GR-1221-CORE

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## Specifications

Parameters	Minimum	Typical	Maximum
Passband Width	$\lambda_c \pm 0.25$ nm	$ \lambda_c \pm 0.03$ nm	
Add Channel Insertion Loss		0.8 dB	1.2 dB
Drop Channel Insertion Loss		0.8 dB	1.2 dB
Through Channel Insertion Loss		0.6 dB	1.0 dB
Adjacent Channel Isolation	25 dB	30 dB	
Non-Adjacent Channel Isolation	40 dB	45 dB	
Express Channel	25 dB	30 dB	
Optical Return Loss	45 dB	50 dB	
Directivity	50 dB		
PDL			0.1 dB
PMD			0.1 ps
Maximum Optical Power		300 mW	
Operating Temperature Range		-5°C to +65°C	
Storage Temperature Range		-40°C to +85°C	
Tensile Load		5N Maximum	

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
126 mm x 93 mm x 15 mm	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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## Ordering Information

High Isolation OADM (200 GHz)

A D 2 - 1 0   -

1 2 3 4

**1 Select Wavelength Channel**  
NN: According to ITU Channel  
with Starting Channel

**2 Select Package Type**  
2: 250 μm Box  
3: 900 μm Box  
4: Rack Mount

**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**  
000: 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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