## 200 GHz Dense WDM Mux and DeMux (16 Channel)



#### **Features and Benefits**

High Isolation	
Low Insertion Loss	
Bi-directional	
Epoxy Free 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 for ITU channel spacing applications. The thin film filter DWDM products utilize proprietary technology to achieve outstanding field performance. The thin film filter DWDM 16 channel multiplexer and demultiplexer products are available in standard ITU wavelengths ranging from 1528 to 1565 nm. Custom wavelengths and channel configurations are available upon request.

Need 200gdwdm16ch.tif

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### **Specifications**

Parameters	Minimum	Typical	Maximum
Center Wavelength λc		1528-1565 nm	
Passband Width	$\lambda c \pm 0.25 \text{ nm}$		
Pass Channel Insertion Loss		3.5 dB	4.5 dB
Adjacent Channel Isolation	25 dB	30 dB	
Non-Adjacent Channel Isolation	40 dB	45 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 (900 μm Buffered)	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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**Select Customization** 

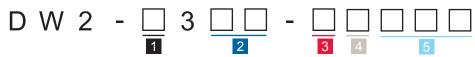
Running number used for

special types or custom made

000: Standard

### **Ordering Information**

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- 1 Select Mux or DeMux
  - 1: Mux
  - 2: DeMux
  - Select Wavelength Channel NN: According to ITU Channel with Starting Channel
- 3 Select Package Type
  - 2: 250 μm Box
  - 3: 900 µm Box
- 4: Rack Mounted Module
- ✓ Select Connector\*
  - A: None
  - L: LC/PC
  - P: FC/PC
  - Q: FC/APC
  - S: SC/PC
  - T: SC/APC
  - U: MU/PC

#### *Note:*

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.



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<sup>\*</sup> Specifications do not include connector loss.