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



### **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

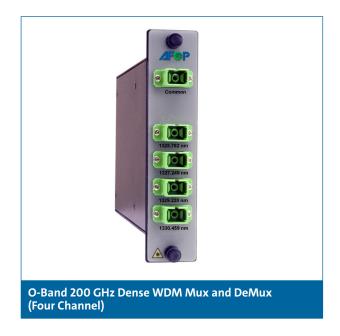
RoHS2011/65/EU

**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)

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### **Ordering Information**

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D W 2 -  $\frac{\Box}{1}$  1 0 0 -  $\frac{\Box}{2}$   $\frac{1}{3}$   $\frac{2}{4}$ 

1 Select Mux or DeMux

0: Mux/DeMux Pair

1: Mux

2: DeMux

Select Package Type

2: 250 μm Box

 $3:900\ \mu m\ Box$ 

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:

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.