

# 100 GHz Dense WDM Mux and DeMux (Four Channel)

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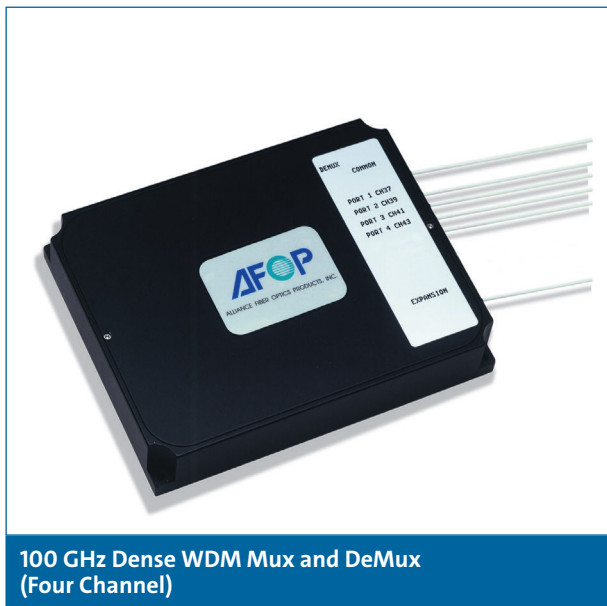
## Features and Benefits

- High Isolation
- Low Insertion Loss
- Bi-directional
- Epoxy Free Optical Path
- Low Total Integrated Cross Talk

## Standards

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

Corning offers high performance 100 GHz Dense WDM Multiplexers and Demultiplexers for ITU channel spacing applications. The thin film filter DWDM Series of products utilize proprietary technologies to achieve outstanding field performance. Thin film filter DWDM four channel multiplexers and demultiplexers are available in standard ITU wavelengths from 1528 to 1565 nm. Custom wavelengths and channel configurations are available upon request.



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## Specifications

Parameters	Minimum	Typical	Maximum
Center Wavelength $\lambda_c$		1528-1565 nm	
Passband Width	$\lambda_c \pm 0.12$ nm		
Pass Channel Insertion Loss		1.6 dB	2.0 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 $\mu$ m 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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## Ordering Information

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D W 1 -  1   -

**1** **2** **3** **4** **5**

**1** Select Mux or DeMux  
0: Mux/DeMux Pair  
1: Mux  
2: DeMux

**3** Select Package Type  
2: 250  $\mu$ m Box  
3: 900  $\mu$ m Box  
4: Rack Mounted Module

**5** Select Customization  
000: Standard  
Running number used for special types or custom made

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

**4** Select Connector\*  
A: None  
L: LC/PC  
P: FC/PC  
Q: FC/APC  
S: SC/PC  
T: SC/APC  
U: MU/PC

### 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](mailto:oesales@corning.com) and visit [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) for sales support.**



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