

100 GHz Dense WDM Mux and DeMux (Eight Channel)

CORNING

Features and Benefits

High Isolation

Low Insertion Loss

Bi-directional

Epoxy Free Optical Path

Low Total Integrated Cross Talk

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 eight channel multiplexers and demultiplexers are available in standard ITU wavelengths from 1528 to 1565 nm. Custom wavelengths and channel configurations are available upon request.

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



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Specifications

Parameters	Minimum	Typical	Maximum
Center Wavelength λ_c		1528-1565 nm	
Passband Width	$\lambda_c \pm 0.12$ nm		
Pass Channel Insertion Loss		2.8 dB	3.5 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 μ m Buffered)		5N Maximum	

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
126 mm x 93 mm x 15.5 mm	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

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Ordering Information

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D W 1 - 2 -

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

1 Select Mux or DeMux

0: Mux/DeMux Pair
1: Mux
2: DeMux

2 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

5 Select Customization

000: Standard
Running number used for special types or custom made

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



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