100 GHz Dense WDM Mux and DeMux (Eight 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 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.



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Specifications

Parameters	Minimum	Typical	Maximum
Center Wavelength λc		1528-1565 nm	
Passband Width	$\lambda c \pm 0.12 \text{ nm}$		
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 μm 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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Select Customization

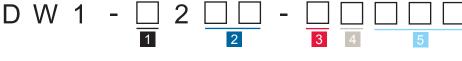
Running number used for

special types or custom made

000: Standard

Ordering Information

100 GHz Dense WDM Mux and DeMux (Eight Channel)



- 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
- Select Connector*
 - A: None L: LC/PC
 - P: FC/PC
 - Q: FC/APC
 - S: SC/PC
 - J. JC/FC
 - 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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^{*} Specifications do not include connector loss.