

# 200 GHz Dense WDM Mux and DeMux (16 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 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.

## 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

---

Need 200gdwdm16ch.tif

200 GHz Dense WDM Mux and DeMux  
(16 Channel)

CORNING

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

CORNING

## Specifications

Parameters	Minimum	Typical	Maximum
Center Wavelength $\lambda_c$		1528-1565 nm	
Passband Width	$\lambda_c \pm 0.25$ 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 $\mu$ 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)

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

CORNING

## Ordering Information

200 GHz Dense WDM Mux and DeMux (16 Channel)

D W 2 -  3   -

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

**1** Select Mux or DeMux

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



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-408-736-6900 • [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) • Email: [oemsales@corning.com](mailto:oemsales@corning.com)

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks). All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

Spec Sheet CAH-114\_AEN

Page 3 | Revision date 2016-11-08

CORNING