

# SpectraMux® – Compact Coarse WDM (Eight Channel Ultra Thin Low Loss)

CORNING

## Features and Benefits

<1.5 dB Insertion Loss

Bi - Directional

Express Channel Available

Epoxy-Free Optical Path

Ultra Stable & Highly Reliable

Extended Operating Temperature Available

Corning introduces the new Ultra Thin Low Loss Compact CWDM. This version maintains the proven performance and advantages of the original, but is only 6 mm high. The Thin Pack design is ideal for closely spaced board mounting or for direct use in 0.25 inch high splice trays. These units are available in 4- or 8-channel versions. Custom wavelengths and packages also are available.

## 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 (Eight-Channel Ultra Thin Low Loss)	Minimum	Typical	Maximum
Center Wavelength $\lambda_c$		1471, 1491, 1511, 1531 nm or 1551, 1571, 1591, 1611 nm	
Pass Channel Insertion Loss		1.0 dB	1.5 dB
Express Channel Insertion Loss (Optional)			1.0 dB
Passband Width	13 nm	15 nm	
Passband Flatness		0.2 dB	0.3 dB
Adjacent Channel Isolation	30 dB	40 dB	
Non-Adjacent Channel Isolation	45 dB	50 dB	
Optical Return Loss	45 dB	50 dB	
Directivity	50 dB		
PDL			0.2 db
PMD			0.2 ps
Maximum 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	
*Specifications do not include connector loss.			

Packaging Dimensions	Fiber Type	Pigtail Length
41 mm x 28 mm x 6 mm	Fiber Type: Corning® SMF-28e® or compatible, 900 $\mu$ m	1 m (Standard)

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## Ordering Information

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C W 4 -  2 9 3 -  2

### 1 Select Mux or DeMux

- 1: Mux
- 2: DeMux

### 2 Select Connector

- A: None
- L: LC/PC
- P: FC/PC
- Q: FC/APC
- S: SC/PC
- T: SC/APC
- U: MU/PC

### 3 Select ITU Starting Wavelength

- 1: 1471 nm
- 3: 1511 nm
- 5: 1551 nm
- 9: Custom

### 4 Select Optional Channel

- 0: No Express
- 1: With Express

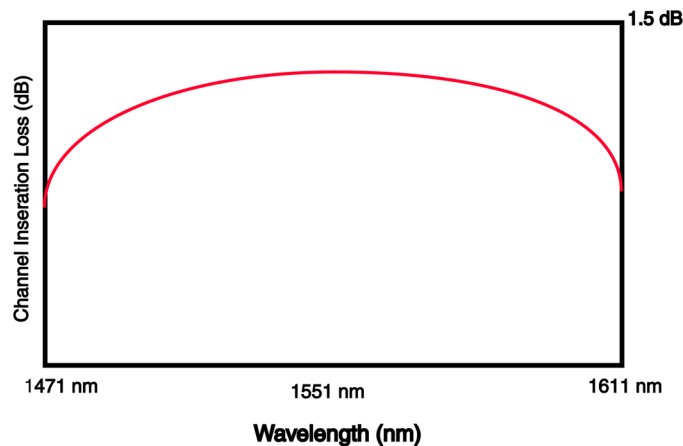
### 5 Select Customization

00: Standard

Running number used for special types or custom made

*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.*

## Channel Uniformity Profile



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