SpectraMux® – Modular CWDM
(Single-Channel OADM – Low Loss)

CORNING

Features and Benefits

Low Insertion Loss

High Isolation

Tap Monitor Ports

20 nm Channel Separation

Epoxy Free in Optical Path

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 introduces the Spectramux® family of products, which are designed for cost effective multiwavelength network applications. Channel spacing of 20 nm with wide bandpass characteristics allow for non-temperature controlled lasers to be used in transmitters. Based on Corning's proven thin film technology, SpectraMux CWDMs allow for four and eight wavelengths to be used for uni- or bi-directional transmission. Like all Corning DWDM products, these devices are designed for long life service under the most demanding field conditions.

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Specifications

Parameters (Four-Channel)	Minimum	Typical	Maximum
Center Wavelength λc		"CH1"=1471, "CH2"=1491, "CH3"=1511, "CH4"=1531 nm± 20 nm "CH5"=1551, "CH6"=1571,"CH7"=1591, "CH8"=1611 nm± 20 nm	
Insertion Loss - Add or Drop Channel*			1.5 dB
Insertion Loss- Express Channel*			1.7 dB
Insertion Loss- Tap Ports*	17 nm		23 dB
Passband Width	12 nm		
Isolation- Add or Drop Channel	30 dB		
Isolation - Express Channel	30 dB		
Return Loss	45 dB		
Directivity	50 dB		
PDL			0.2 db
PMD			0.2 ps
Maximum Optical Power		300 mW	
Operating Temperature Range		-5°C to +65°C	
Storage Temperature Range		-40°C to +85°C	

*Specification includes coupler loss and connector loss

Shipping Package

Packaging Dimensions	Fiber Type
Half Width Rack Mount (Standard 19-in Rack Mount accommodates two Half-Width Rack Mounts)	Fiber Type: Corning® SMF-28e® or compatible, 900 μm

Ordering Information

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C W 4 - 0 0 8 4 - L ☐ 0 0 0
                            1

1 **Select Wavelength Options**
   0, 1, 2, 3, 4, 5, 6, 7, or 8
   (See specification for wavelength options)
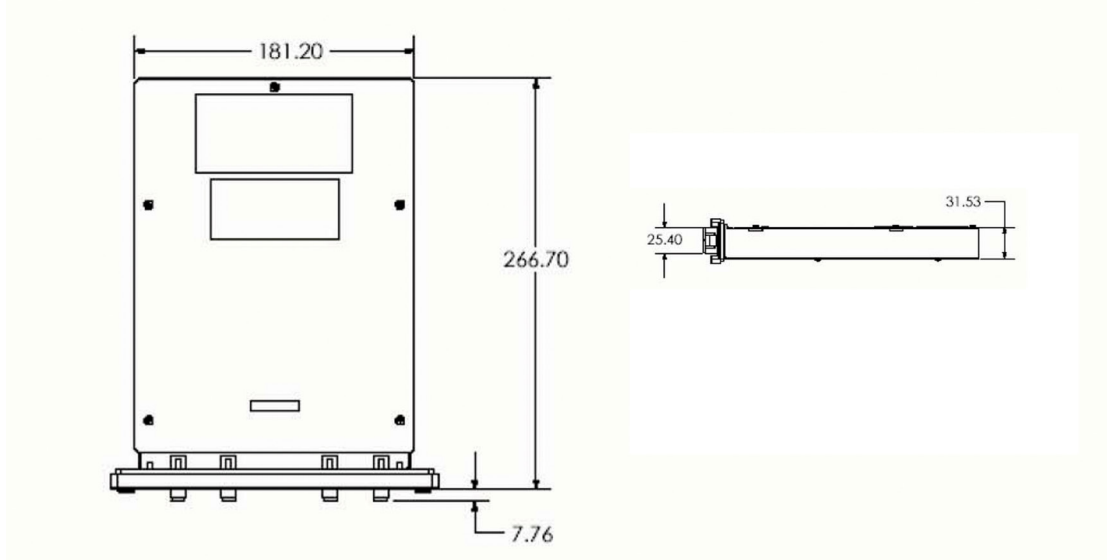

These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.
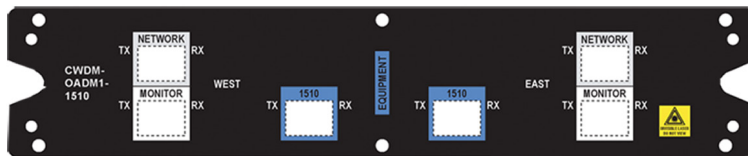
Brocade
Fabric Aware

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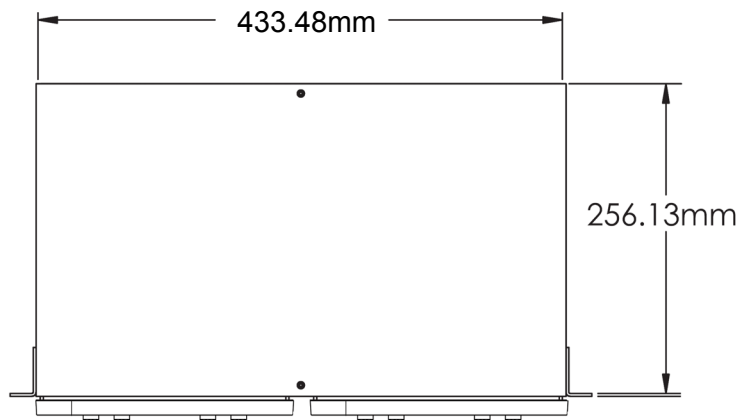
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Mechanical Drawing of Half-Width Rack Mount

Front Panel Layout

Mechanical Drawing of 19-in Rack Mount

Note: 19-in rack chassis is sold separately under P/N: CW4-RACK-19000.

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