SpectraMux[®] – Compact Coarse WDM (Eight Channel)

CORNING

Features and Benefits

Bi - Directional

Express Channel Available

Epoxy-Free Optical Path

Ultra Stable & Highly Reliable

Extended Operating Temperature 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

Corning introduces the new SpectraMux[®] Compact Coarse WDM (CCWDM) 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. The CCWDMs allow for four and eight wavelengths to be used for uni- or bi-directional transmissions. Custom wavelengths and channel configurations are available.



Spec Sheet CAH-090_AEN Page 1 | Revision date 2016-10-31

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Specifications

Parameters (Eight-Channel)	Minimum	Typical	Maximum
Center Wavelength λc		1471, 1491, 1511, 1531 nm 1551, 1571, 1591, 1611 nm	
Pass Channel Insertion Loss		1.5 dB	2.0 dB
Express Channel Insertion Loss (Optional)			1.5 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	55 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 μm Buffered)		5N Maximum	
*Specifications do not include connector lo	SS.		

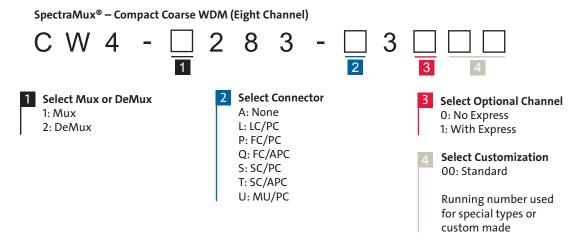
Packaging Dimensions	Fiber Type	Pigtail Length
41 mm x 28 mm x 6 mm	Fiber Type: Corning [®] SMF-28e [®] or compatible, 900 μm	1 m (Standard)



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Ordering Information



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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Spec Sheet CAH-090_AEN Page 3 | Revision date 2016-10-31

