SpectraMux® – Compact Optical Add and Drop Module (COADM)

CORNING

Corning introduces the new SpectraMux® Compact Optical Add and Drop Module (COADM) 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. Custom wavelengths and channel configurations are available.

Features and Benefits

<1.5 dB Insertion Loss
Bi - Directional
Express Channel Available
Epoxy-Free Optical Path
Ultra Stable and 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

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Specifications

Parameters (Eight-Channel)	Minimum	Typical	Maximum
Center Wavelength λc	1471, 1491,1511, 1531, 1551, 1571, 1591, 1611 nm		
Passband Width	13 nm	15 nm	

Channel Insertion Loss	Two Channel			Four-Channel		
	Add	Drop	Express	Add	Drop	Express
	1.5 dB	1.5 dB	1.5 dB	2.0 dB	2.0 dB	2.0 dB

Parameters	Minimum	Typical	Maximum
Passband Flatness		0.2 dB	0.3 dB
Adjacent Channel Isolation	30 dB	40 dB	
Non-Adjacent Channel Isolation	45 dB	50 dB	
Add/Drop Channel Isolation	30 dB	40 dB	
Optical Return Loss	45 dB	50 dB	
PDL			0.2 dB
PMD			0.2 ps
Maximum Maximum Optical Power	300 mW		
Storage Temperature Range	-40°C to +85°C		
Tensile Load (900 µm Buffered)	5N Maximum		

*Specifications do not include connector loss
** 1271, 1291, ...band are available upon request.

Packaging Dimensions	Fiber Type	Pigtail Length
40 mm x 28 mm x 8.7 mm	Fiber Type: Corning® SMF-28e® or compatible, 900 µm	1 m (Standard)

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Ordering Information

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C A D 4 - 3 ☐ 8 3 - ☐ ☐ ☐ ☐ ☐

1 (under blank after -3)
2 **3** **4** (under blanks after hyphen)

1 Select Channel Count
1: Two-channel
2: Four-channel

2 Select Connector Type*
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
2: 1491 nm
3: 1511 nm
4: 1531 nm
5: 1551 nm
6: 1571 nm
7: 1591 nm
8: 1611 nm
9: Custom

4 Select Customization
000: 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 and visit www.corning.com/opcomm/oem for sales support.

RoHS COMPLIANT

Brocade Fabric Aware

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