

# C - Band OSC Wavelength Division Multiplexer



## Features and Benefits

High Directivity
Low Insertion Loss
Bi-directional
High Channel Isolation
Epoxy-Free Optical Path
Excellent Stability and Reliability

Corning offers a high isolation C-Band Supervisory Channel Wavelength Division Multiplexer for telecommunications and network applications. This thin film C-Band Supervisory Channel WDM utilizes proprietary technology to achieve superior field performance. Supervisory Channel WDMs are used to add or drop the sonet standard supervisory channel from the overall data stream. Corning's Supervisory Channel WDMs offer low insertion loss, high isolation, and ultra flat wide passband.

## 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



# C - Band OSC Wavelength Division Multiplexer

CORNING

## Specifications

Parameters	Minimum	Typical	Maximum
Pass Channel Wavelength Range $\lambda_1$		1500-1520 nm	
Reflect Channel Wavelength Range $\lambda_2$		1530-1610 nm	
Pass Channel Insertion Loss @ $\lambda_1$		0.8 dB	1.2 dB
Reflect Channel Insertion Loss @ $\lambda_2$		0.4 dB	0.6 dB
Passband Ripple		0.3 dB	0.5 dB
Reflect Channel Isolation @ $\lambda_1$	12 dB	15 dB	
Pass Channel Isolation @ $\lambda_2$	30 dB	40 dB	
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		5N Maximum	

Shipping Package		
Packaging Dimensions	Fiber Type	Pigtail Length
44 mm x 6.5 $\Phi$ mm	Fiber Type: Corning® SMF-28e® or compatible	1 m (Standard)

# C - Band OSC Wavelength Division Multiplexer

CORNING

## Ordering Information

C - Band OSC Wavelength Division Multiplexer

6 6 0 - D 2 1  - 1      
**1** **2** **3**

### **1** Select Pigtail Type

- 0: 250  $\mu$ m Tube
- 1: 900  $\mu$ m Tube
- 2: 250  $\mu$ m Box
- 3: 900  $\mu$ m Box

### **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 Customization

- 000: Standard or
- Running number used for special types or custom made

### 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-132\_AEN

Page 3 | Revision date 2016-11-23

CORNING