



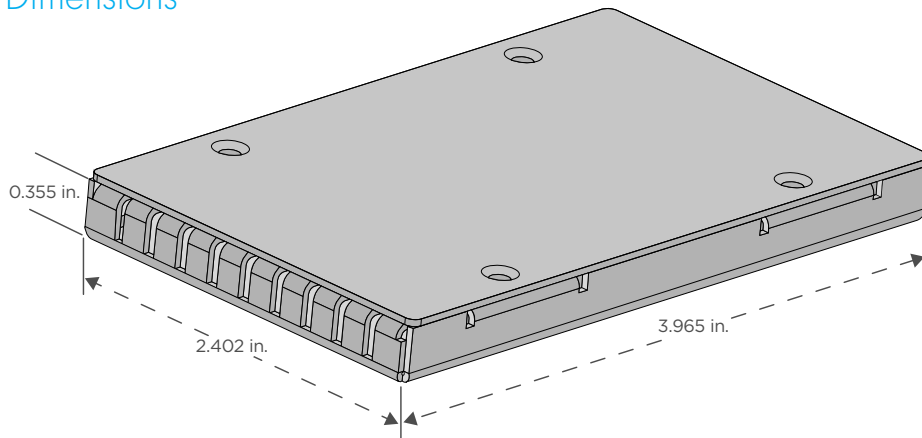
## OCC1D Compact DWDM Module

### Dense Wavelength Division Multiplexing Devices

The dense wavelength division multiplexing technique combines (multiplexes) two or more signals with different wavelengths in one common fiber. The same components can also be used to separate the wavelengths (de-multiplex) at the remote location.

The compact OCC1D module allows the integration of DWDM technology into Fiber Optic enclosures with ease, and can be installed in various nodes. To confirm compatibility with a specific node model number, see the overall module dimensions below.

### Dimensions



### Advantages

- Consistent performance
- Low optical loss
- Low polarization sensitivity
- Excellent mechanical and environmental characteristics
- May be mounted onto a variety of surfaces within an outer housing, including nodes, cabinets, wall boxes

### Applications

- DWDM upgrades in metro networks, including Ethernet and cell site backhaul
- Increase the capacity between the central office and the headend in HFC networks
- DWDM overlay in PON architectures
- DWDM in long haul networks

The DWDM components are based on TFF (thin-film-filter technology). Not all configurations are possible. Please consult your local sales engineer for confirmation.

# OCC1D Compact DWDM Module

## Dense Wavelength Division Multiplexing Devices

### Ordering Information

**OCC1D - X X - XX X - XX XX N - X - X**

DWDM \_\_\_\_\_ Customer Identification Code

**Number of Channels**

2	2 channels
4	4 channels
6	6 channels
8	8 channels
A	4 channels + upgrade port
B	8 channels + upgrade port

**Type**

X	Double demux (add and drop)
Leave Blank	Single demux

**Starting Wavelength (ITU grid)**

15	1565.50nm
16	1564.69nm
:	.....
:	.....
60	1529.55nm

**Options**

T	Test fiber
2T	Tx and Rx test fibers

**In-Output Cable Type**

SE	900 micron single fiber
----	-------------------------

**Connector Type**

NN	Not Applicable	
SC	LC	Min. return loss
S1	L1	50 dB (UPC)*
S2	L2	60 dB (APC 8°)*

\* UPC Ultra polished physical contact  
\* APC Angled polished physical contact  
Fiber Length - 1 Meter; Connectorized - 900 Micron

**Channel Spacing/Sequence (ITU grid)**

0	One channel only
1	100 GHz (e.g. 33, 34, 35,...)
2	200 GHz (e.g. 33, 35, 37,...)
4	100 GHz + upgrade port
6	200 GHz (e.g. 33, 35, 37,...) + upgrade
A	Skipped Channels

Example: OCC1D-6-21A-S2SEN-2TU23

6 channel DWDM demultiplexer and upgrade port with Tx and Rx test ports.

Channels: Tx 21, 28, 33, 39; Rx 20, 21; 12 SC/APC connectors.

Note: Not all configurations are possible. Please consult your local sales engineer for confirmation.

Performance Specifications: Refer to Proposal 5400



[www.commscope.com](http://www.commscope.com)

Visit our website or contact your local CommScope representative for more information.

© 2016 CommScope, Inc. All rights reserved.

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc.

This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services.

PS-320518.1-AE (01/16)