

NETWORK CUBE
CWDM-MUX-4 40G HD Module

C-2474_Rev.A

Description

- Passive WDM module for integration in one slot of the CUBO NETWORK CUBE WDM-Modular-Shell (C-2169)
- The module contains two pieces of 4 channel CWDM multiplexers
- The CWDM multiplexers to multiplex and de-multiplex 4 CWDM channels with 20nm CWDM channel spacing
- The CWDM multiplexers are compliant according to 40Gbps IEEE 802.3ba standard
- The system interoperates with any router, switch, DSLAM, SFP and GBIC, which supports the IEEE 802.3ba standard

- Product Description: NETWORK CUBE CWDM-MUX-4 40G HD Module
- Product Code: C-2474
- Connector Code: -XY (choose from table)
- Revision Level: -Rev.A

(X) Common ports (Y) Channel ports	Code
SC/PC	1
SC/APC	3
LC/PC	5
LC/APC	B

Example Order Code: **C-2474-33-Rev.A** for a 40G CWDM module with SC/APC on all ports.



Revision History

No	Description	Date	Created by
A	Initial release	17.09.13	Islah Touhtouh

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Specifications

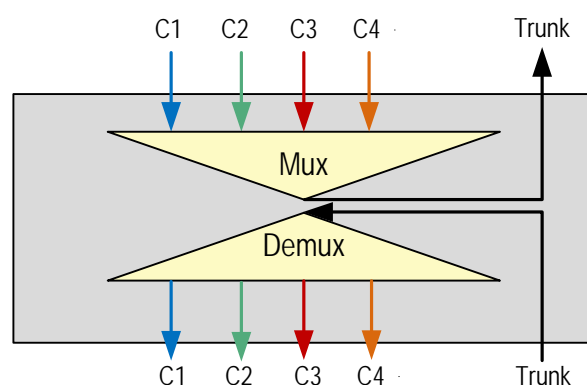
Operating Temperature	+0°C to +70°C	
Storage Temperature	-40°C to +80°C	
Max. optical Power	< 250 mW	
Fiber Type	SMF-28 compatible	Ø 9 / 125 / 250µm
Optical Adapters	All ports to be selected by customer via order code	

Optical Performance

Number of channels	4
Operating Channel	1271; 1291; 1311; 1331nm
Channel Width	> 13 nm
Insertion Loss	max ¹ < 1.9 dB
Isolation	max
WDM adjacent channel	> 30 dB
WDM non-adjacent channel	> 40 dB
Isolation Spectral Range	1260-1460nm
Optical Return Loss	> 45 dB (for the component, also depends on connectors)
Directivity	> 50 dB
Polarization Dependent Loss	< 0,2 dB

Package Dimensions and Front Plate design

Logical setup



Connection Scheme

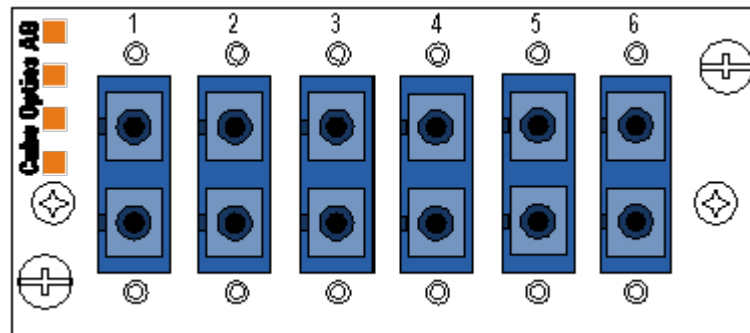
- The ports are marked with "01", "02", "03"....
- Actual port assignment displayed on a label on the top side of the housing.
- All ports are equipped with adapters as defined by customer via order code.

¹ Max. insertion loss over channel bandwidth, valid over full operating temperature range and all states of polarization with optical connectors. The typical connector loss is 0.4 dB for a pair of connectors.

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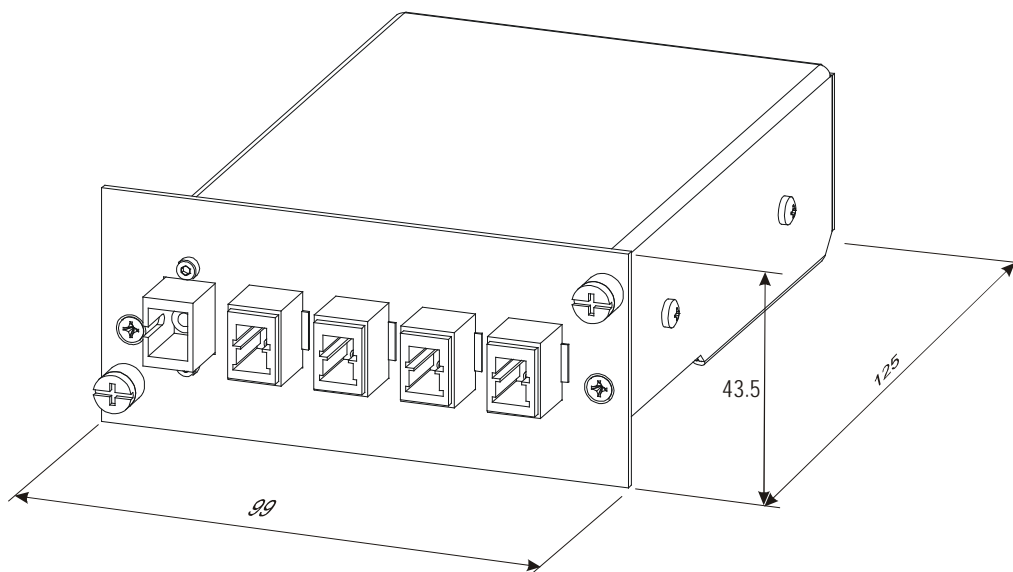
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Please, note that the actual layout depends on the chosen connector type as well as other factors. However, the principal scheme stays the same.

Layout and dimensions

- Width: 99 mm
- Height: 43.5 mm
- Depth: 125 mm
- The color of the module is light gray (color code RAL7035)
- All fonts and labels are printed in black



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is certified according to ISO 9001.

WAIVER

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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