

DWDM-MUX-8DA-28-35-C

8 Channel DWDM MUX (Duplex) CARTRIDGE, Channels 28-35, with 1310 Port and LC Connector

Features

- Enables users to increase bandwidth of existing fibre network by up to 8 times, without additional fibre links
- Supports a range of data rates, up to 10Gbps
- Low insertion loss; typically 3.1dB
- Fully passive (no power or cooling required)
- High density 1RU size
- Supports G.694.1 compliant DWDM Channels

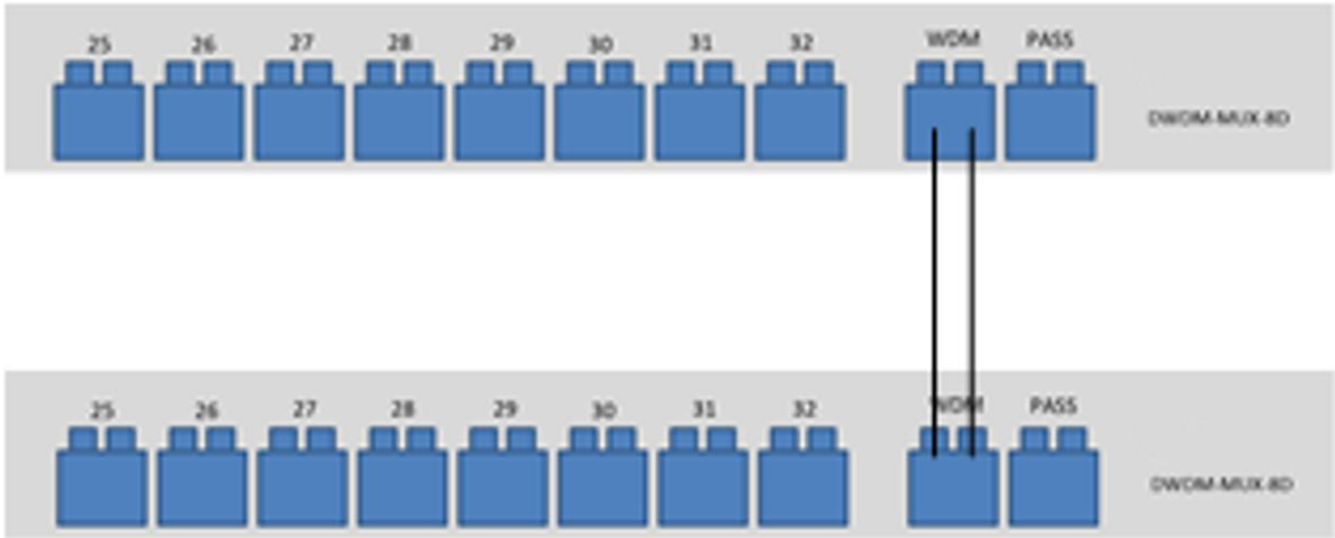
Product Description

This is an 8 channel DWDM mux cartridge that operates over channels 28,29,30,31,32,33,34 and 35. It also has a 1310 port and duplex LC connectors. This unit can be used as either a multiplexer or de-multiplexer (mux/demux), and is a plug and play system. All of our mux/demux products are 100% compliant and provide a cost effective solution for your network upgrade needs. With our certification test program, we guarantee your product will work correctly the first time.

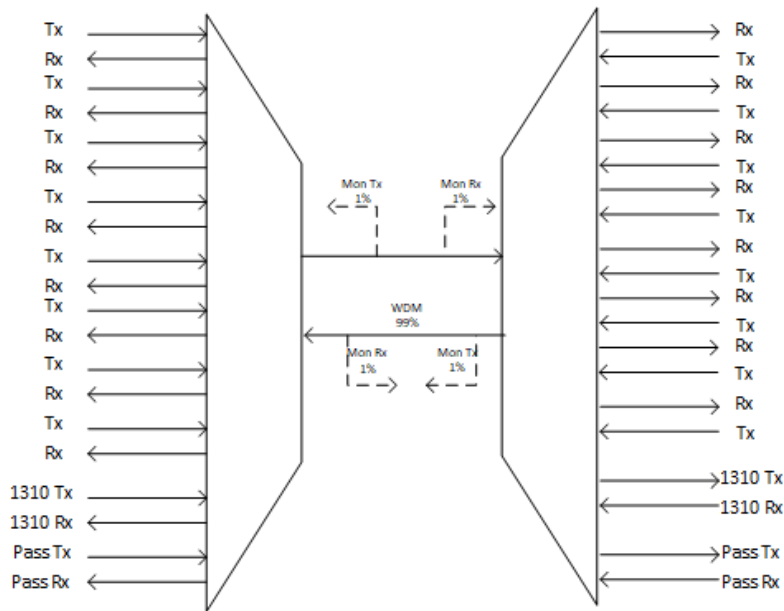
Specifications

Parameter	Specification	Units
Central Wavelength	100GHz C-Band ITU Grid	nm
Channel Spacing	0.8	nm
Channel Bandwidth	±0.1	nm
Isolation – Adjacent Channel	≥ 30	dB
Isolation – Non-Adjacent Channel	≥ 40	dB
Return Loss	≥ 50	dB
Directivity	≥ 55	dB
Operating Temperature	0 to 70	°C
Standage Temperature	-40 to 85	°C

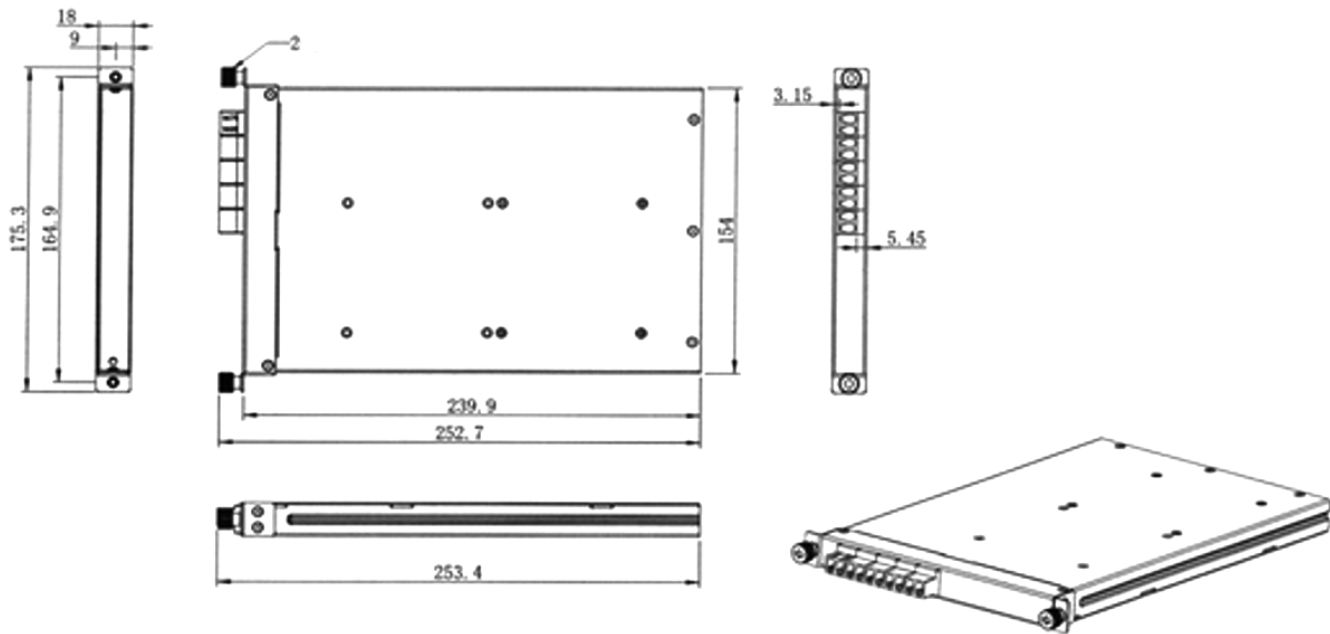
Cabling Diagram



Mux Type Application Diagram
w/Pass, 1310, & Monitor Ports



Mechanical Specifications



Parameter	Specification
Dimensions (Box)	175mm x 253mm x 0.7mm (6.9in x 9.9in x 0.7in)
Adapter Type	LC/UPC - Standard
Max Adapters	20 LC/UPC

DWDM Wavelengths

ITU 100GHz Channels

ITU Channel Number	Wavelength, nm	Frequency, THz	ITU Channel Number	Wavelength, nm	Frequency, THz
11	1568.11	191.1	37	1547.72	193.7
12	1567.95	191.2	38	1546.92	193.8
13	1567.13	191.3	39	1546.12	193.9
14	1566.31	191.4	40	1545.32	194.0
15	1565.50	191.5	41	1544.53	194.1
16	1564.68	191.6	42	1543.73	194.2
17	1563.86	191.7	43	1542.94	194.3
18	1563.05	191.8	44	1542.14	194.4
19	1562.23	191.9	45	1541.35	194.4
20	1561.42	192.0	46	1540.56	194.6
21	1560.61	192.1	47	1539.77	194.7
22	1559.79	192.2	48	1538.98	194.8
23	1558.98	192.3	49	1538.19	194.9
24	1558.17	192.4	50	1537.40	195.0
25	1557.36	192.5	51	1536.61	195.1
26	1556.55	192.6	52	1535.82	195.2
27	1555.75	192.7	53	1535.04	195.3
28	1554.94	192.8	54	1534.25	195.4
29	1554.13	192.9	55	1533.47	195.5
30	1553.33	193.0	56	1532.68	195.6
31	1552.52	193.1	57	1531.90	195.7
32	1551.72	193.2	58	1531.12	195.8
33	1550.92	193.3	59	1530.33	195.9
34	1550.12	193.4	60	1529.55	196.0
35	1549.32	193.5	61	1528.77	196.1
36	1548.51	193.6			

About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



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