

C-DWDM-MUXDR40M3-20-59

40 Channel DWDM MUX and DEMUX (Duplex), 1U Rack Mount, Channels 20-59 with 1310 Port and LC/UPC Connector w/Monitor Port

Features

- 40 Channel DWDM MUX and DEMUX
- Monitor/1310 Port Options
- 19" 1U Rack Mount Form Factor
- UPC/LC Adapters

Product Description

This is a 40 channel 1U 19 Rack mount DWDM Mux and Demux that operates over channels 20-59 and it includes Monitor Ports, a 1310port 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.

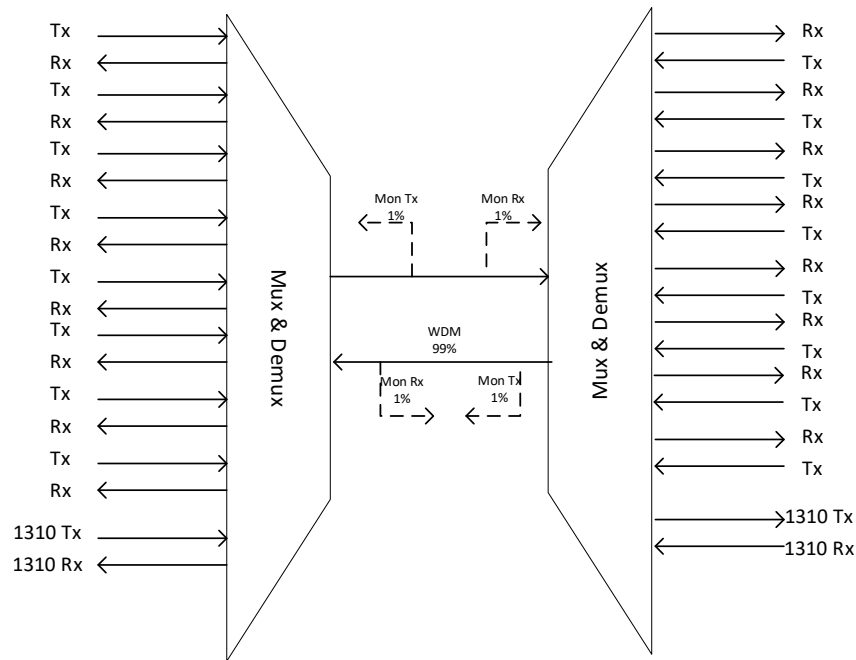
Specifications

Parameter	Specification	Units
Central Wavelength	ITU 100GHz C-Band	nm
Channel Number	40	
Wavelength Accuracy	± 0.05	nm
Minimum Channel Passband	$\lambda_c \pm 0.1$	nm
1dB Channel Bandwidth	≥ 0.4	nm
3dB Channel Bandwidth	≥ 0.6	nm
Insertion Loss – DWDM Channel	≤ 5.5	dB
Insertion Loss – Uniformity	≤ 1.5	dB
Adjacent Channel Isolation	≥ 25	dB
Non-Adjacent Channel Isolation	≥ 30	dB
Ripple in Passband	≤ 0.5	dB
PDL	≤ 0.5	dB
PMD	≤ 0.5	dB

Return Loss	≥40	dB
Maximum Power Handling	300	mW
Operating Temperature	0 to 70	°C
Storage Temperature	-40 to 85	°C
Monitor Port	1	%

Mux Type Application Diagram

Mux and Demux Application Duplex ~ Monitor and 1310 port application shown.

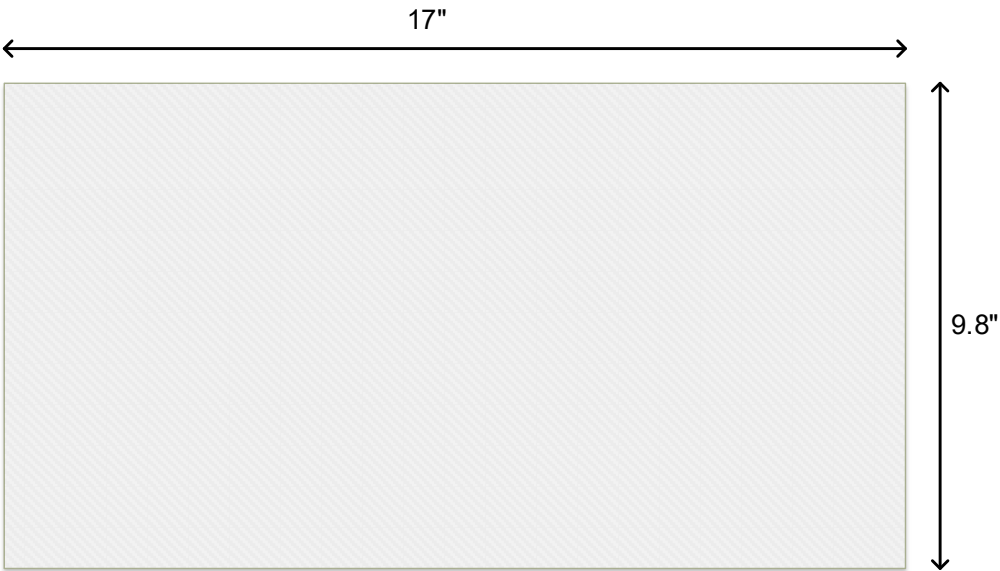
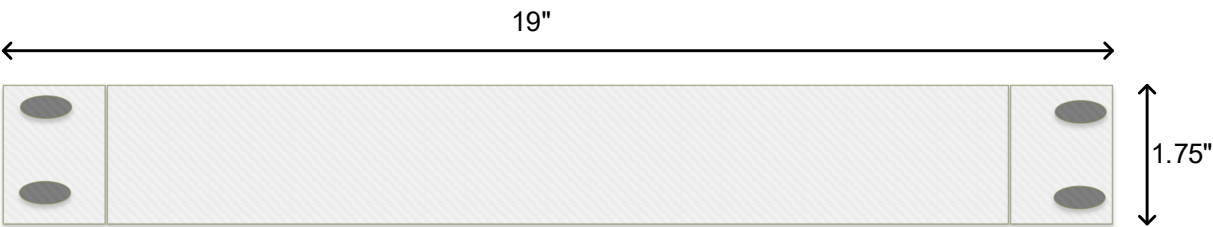


Face Plate

	COM N/A	MON 1310	20 21	22 23	24 25	26 27	28 29	30 31	32 33	34 35	36 37	38 39	40 41	42 43	44 45	46 47	48 49	50 51	52 53	54 55	56 57	58 59
Mux																						
Demux	COM N/A	MON 1310	20 21	22 23	24 25	26 27	28 29	30 31	32 33	34 35	36 37	38 39	40 41	42 43	44 45	46 47	48 49	50 51	52 53	54 55	56 57	58 59

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Mechanical Specifications



Parameter	Specification
Dimensions (Box)	1.75in(H) x 19in(W) x 9.8" in (D)
Adapter Type	LC UPC - Standard
Mounting	19" 1U Rack Mount

DWDM Wavelengths ITU 100 GHz Channels

ITU Channel Number	Wavelength (nm)	Frequency, THz	ITU Channel Number	Wavelength (nm)	Frequency (THz)
20	1561.42	192.0	40	1545.32	194.0
21	1560.61	192.1	41	1544.53	194.1
22	1559.79	192.2	42	1543.73	194.2
23	1558.98	192.3	43	1542.94	194.3
24	1558.17	192.4	44	1542.14	194.4
25	1557.36	192.5	45	1541.35	194.4
26	1556.55	192.6	46	1540.56	194.6
27	1555.75	192.7	47	1539.77	194.7
28	1554.94	192.8	48	1538.98	194.8
29	1554.13	192.9	49	1538.19	194.9
30	1553.33	193.0	50	1537.40	195.0
31	1552.52	193.1	51	1536.61	195.1
32	1551.72	193.2	52	1535.82	195.2
33	1550.92	193.3	53	1535.04	195.3
34	1550.12	193.4	54	1534.25	195.4
35	1549.32	193.5	55	1533.47	195.5
36	1548.51	193.6	56	1532.68	195.6
37	1547.72	193.7	57	1531.90	195.7
38	1546.92	193.8	58	1531.12	195.8
39	1546.12	193.9	59	1530.33	195.9

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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