ADD-DWDM-MUXDL8EM-21-28

8ch 1W LGX DWDM Mux and Demux (Duplex), ITU 100GHz Channel 21 - 28 w/Express Ports and Monitor Ports, Duplex UPC/LC Connectors

Features

- Passive DWDM mux and demux
- Mux and Demux – Duplex COM Port
- Express and Monitor Ports
- Standard LGX-Compatible
- UPC/LC Adapters
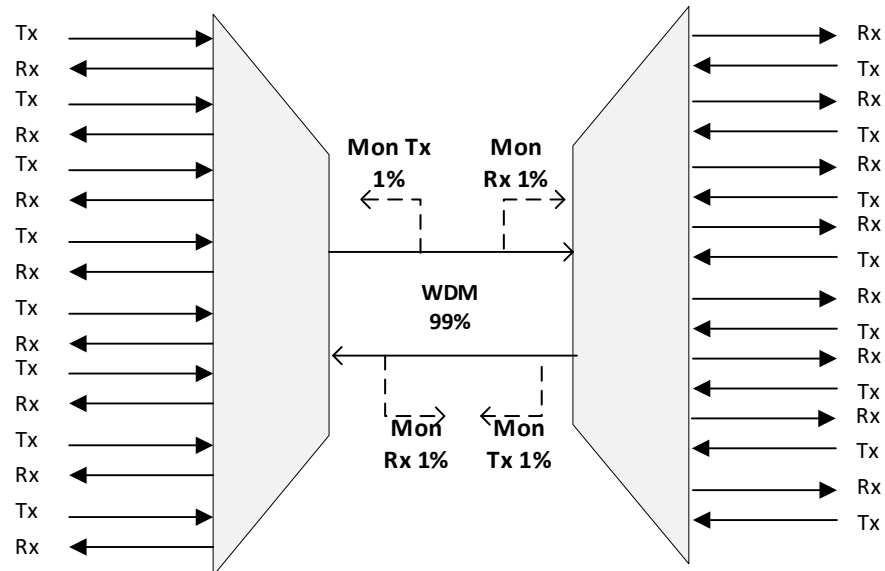
Product Description

This is an 8 channel DWDM mux demux that operates over channels 21-28. It also has a monitor port and an express port. This unit can be used as both a multiplexer and 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.
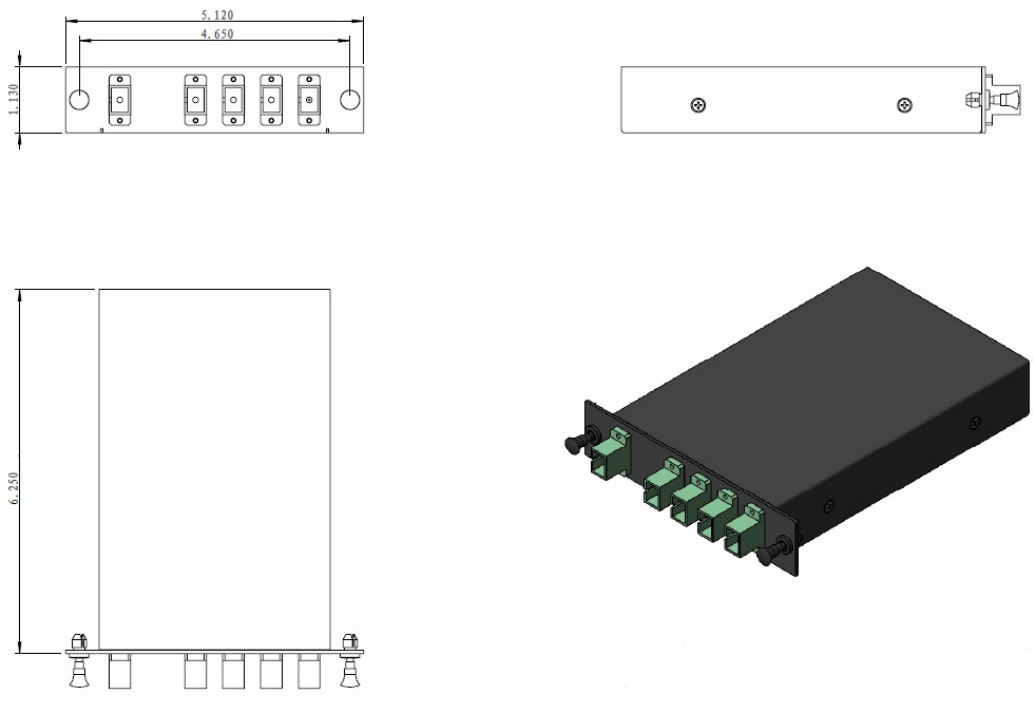
DWDM Optical Specifications

Parameter	Specification	Units
Central Wavelength	ITU 100GHz C-Band	nm
Channel Passband	± 0.11	nm
Max. Insertion Loss	8Ch ≤3.0	dB
Isolation – Adjacent Channel	≥ 28	dB
Isolation – Non-Adjacent Channel	≥ 40	dB
Ripple in Passband	≤ 0.5	dB
Temperature Stability	≤ 0.005	dB/°C
Return Loss	≥ 45	dB
Directivity	≥ 55	dB
Maximum Power Handling	500	mW
Operating Temperature	0-70	°C
Standage Temperature	-40 ~ 85	°C

Mux Type Application Diagram
Mux and Demux Application Duplex

Mechanical Specifications

Parameter	Specification
Dimensions (Box)	1W: 5.12"H x 1.34"W x 6.25"D
Adapter Type	LC UPC - Standard
Mounting	19" 1U Rack Mount

DWDM Wavelengths

ITU 100GHz Channels

ITU Channel Number	Wavelength, nm	Frequency, THz	ITU Channel Number	Wavelength, nm	Frequency, THz
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
40	1545.32	194.0	60	1529.55	196.0

About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is in engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.

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