

ADD-DWDM-MUXDR16M-20-35

16ch 19" Rack Mount 1U DWDM Mux and Demux (Duplex), ITU 100GHz Channel 20 ~ 35 w/Monitor port, UPC/LC Connectors

Features

- Passive DWDM
- 16 Channels
- Mux and Demux – Duplex COM Port
- 19" 1U Rack Mount Form Factor
- UPC/LC Adapters
- Operating temperature: 0°C to 70°C

Product Description

This is a 16 channel 1U 19 Rack mount DWDM Mux and Demux that operates over channels 20 - 35 and it includes 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.

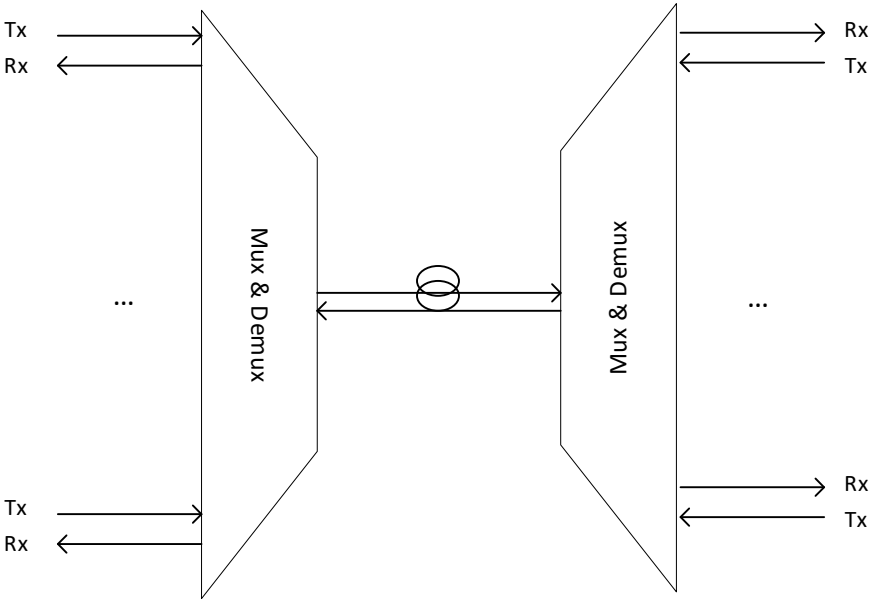
Optical Specifications

| Parameter | Specifications | Unit |
|----------------------------------|-------------------|-------|
| Central Wavelength | ITU 100GHz C-Band | nm |
| Channel Passband | ± 0.11 | nm |
| Maximum Insertion Loss | ≤ 5.8 | 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 |

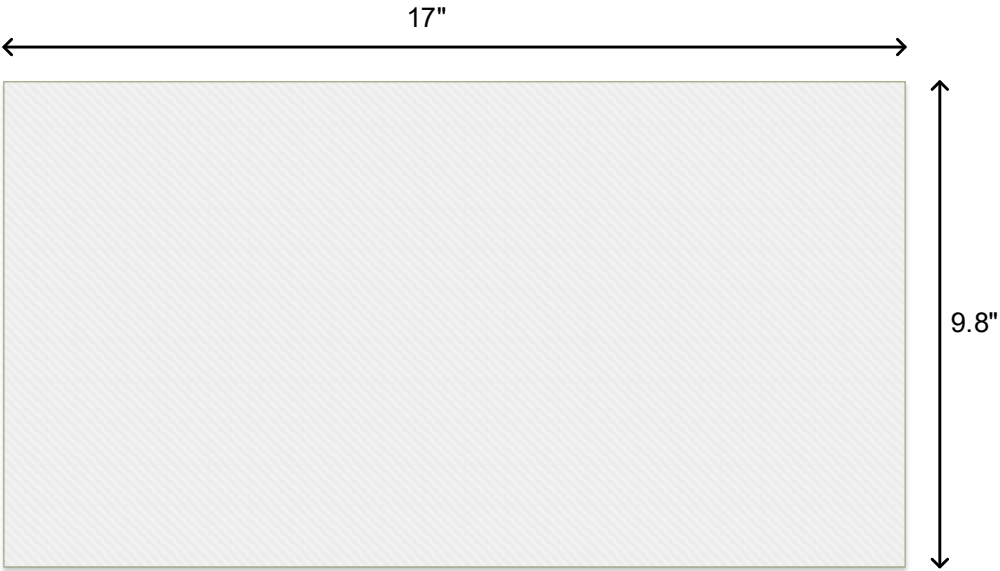
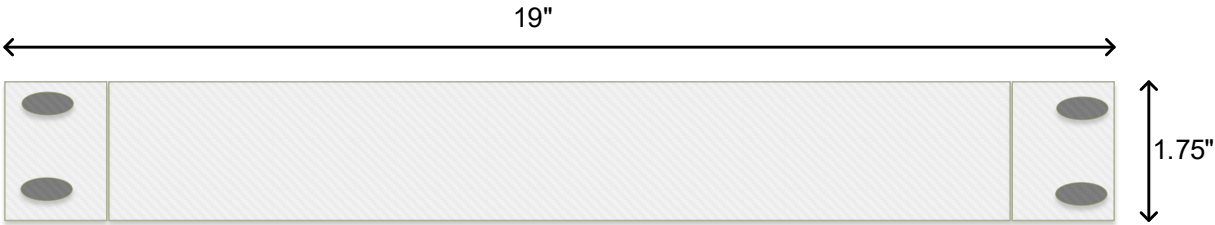
| | | |
|------------------------|-----------|----|
| Maximum Power Handling | 500 | mW |
| Operating Temperature | 0 to 70 | °C |
| Storage Temperature | -40 to 85 | °C |

Mux Type Application Diagram

Mux and Demux Application Duplex



Mechanical Specifications



| | |
|------------------|-----------------------------------|
| Dimensions (Box) | 1.75in (H) x 19in (W) x 9.8in (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 ingrained 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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