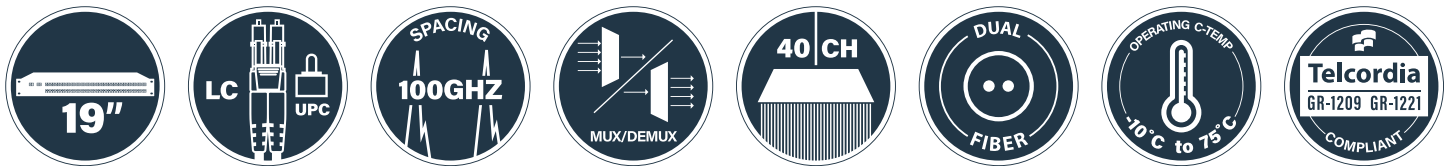


Features:

- 40 Channel Dual Fiber DWDM Mux/Demux
19" Rackmount + OTDR + Amp In/Out
- Channel Wavelengths: DWDM
CH. 16 - CH. 23
CH. 25 - CH. 32
CH. 34 - CH. 41
CH. 43 - CH. 50
CH. 52 - CH. 59
- Channel Spacing: 100GHz
- RoHS compliant
- Reliability: Telcordia GR-1209,GR-1221
- OTDR Operating Wavelength: 1625nm
- Filter Type: Gaussian AAWG



- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Operating Temperature: -5 to 65°C
- Storage Temperature: -40 to 85°C
- Dimensions: 250mm x 440mm x 44mm
- Faceplate: 482.6mm x 44mm



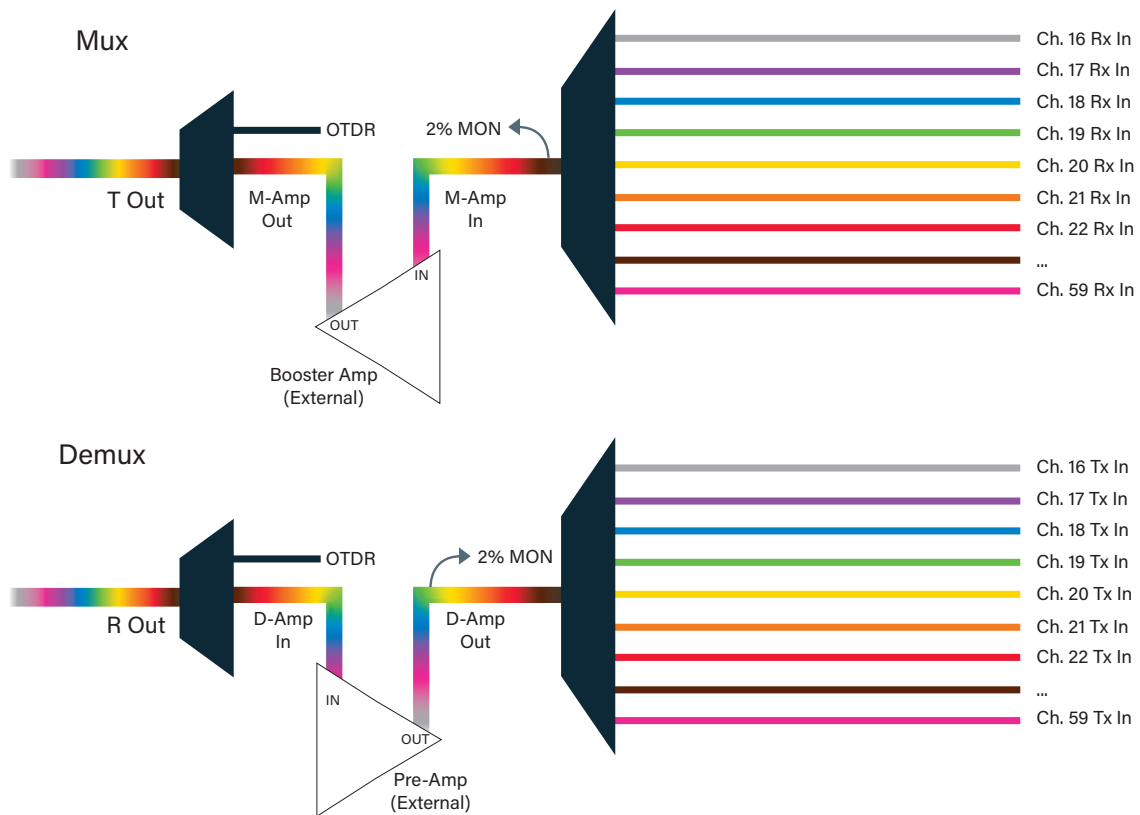
1. Optical Requirements

Parameter	Value
Full Passband Width	12.5GHz @0.5dB; 49GHz @3.0dB
Passband Ripple	≤ 0.5dB
Isolation, Adjacent Channel - DWDM	≥ 25dB
Isolation, Non-Adjacent Channel - DWDM	≥ 30dB
Total Isolation	≥ 22dB
OTDR Port Isolation	≥ 30dB
Amp In/Out Port Isolation	≥ 15dB
Return Loss	≥ 40dB DWDM; ≥ 45dB OTDR
Directivity	≥ 40dB DWDM; ≥ 50dB OTDR
Polarization Dependent Loss	≤ 0.5dB
Polarization Mode Dispersion	≤ 0.5ps

2. Insertion Loss

Parameter	Value
DWDM Channel Insertion Loss (Max.)	≤ 4.8dB
OTDR Port Insertion Loss (Max.)	≤ 1.0dB
MON Port Insertion Loss	23.8dB Mux/19.0dB Demux

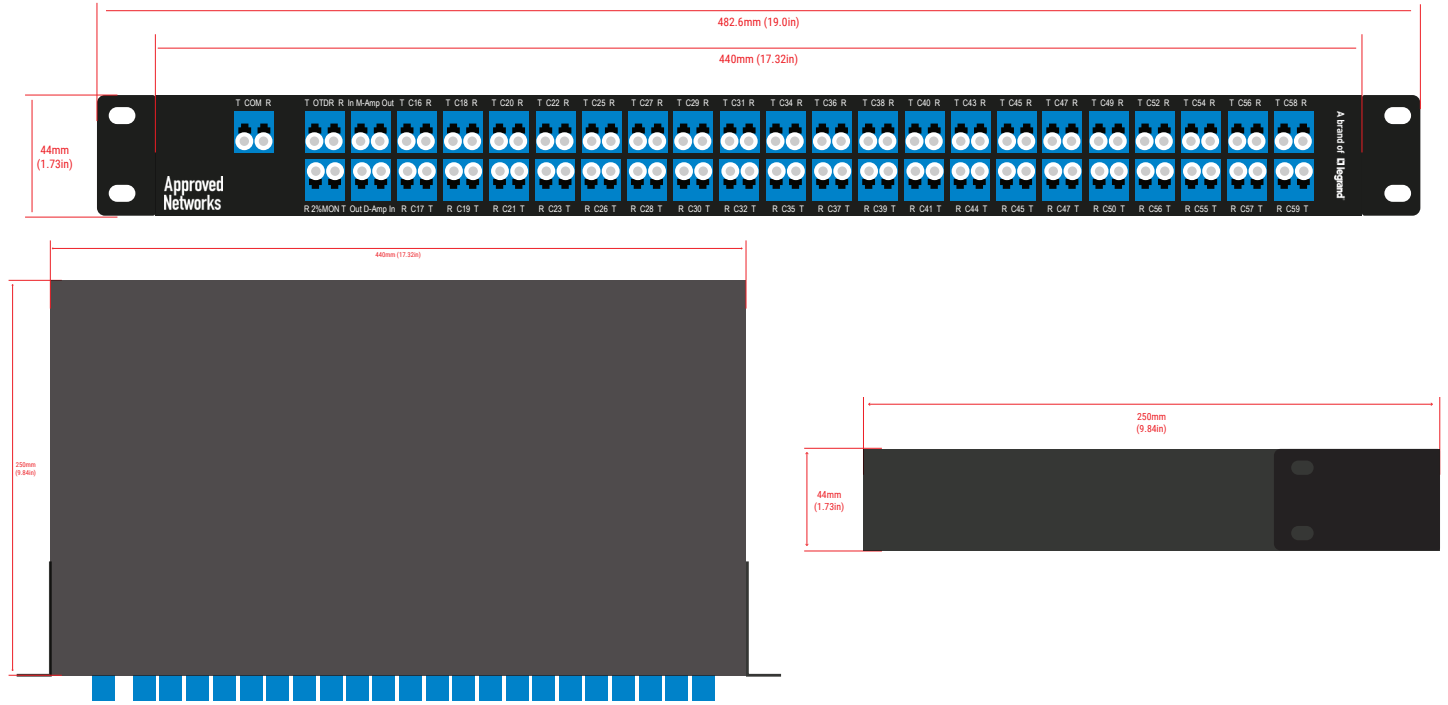
3. Network Diagram



NOTE: When an amplifier is not in use, please use the included loopback plugs in the Amp In/Out ports.



4. Mechanical Diagram



5. Ordering Information

Part Number	Description
ZS-MDO-100-40-L-GAWG-AMP-16-R	DWDM M/D, OTDR, 100GHz, 40 Channel, LC, Gaussian AWG, AMP ports, CH. 16 Start, 8 Skip 1, 2% Mon, 1RU, Low IL

6. Contact Information

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