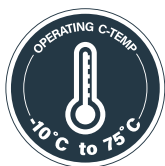
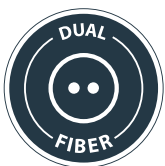
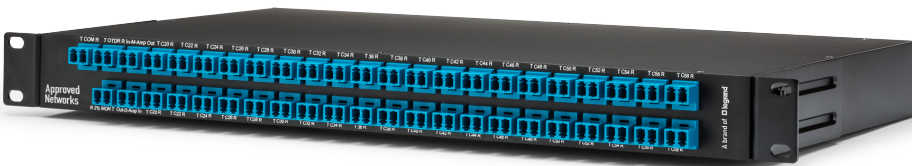


Features:

- 40 Channel Dual Fiber DWDM Mux/Demux
19" Rackmount + OTDR + Amp In/Out
- Channel Wavelengths: DWDM
CH. XX - CH. XX+39
- 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



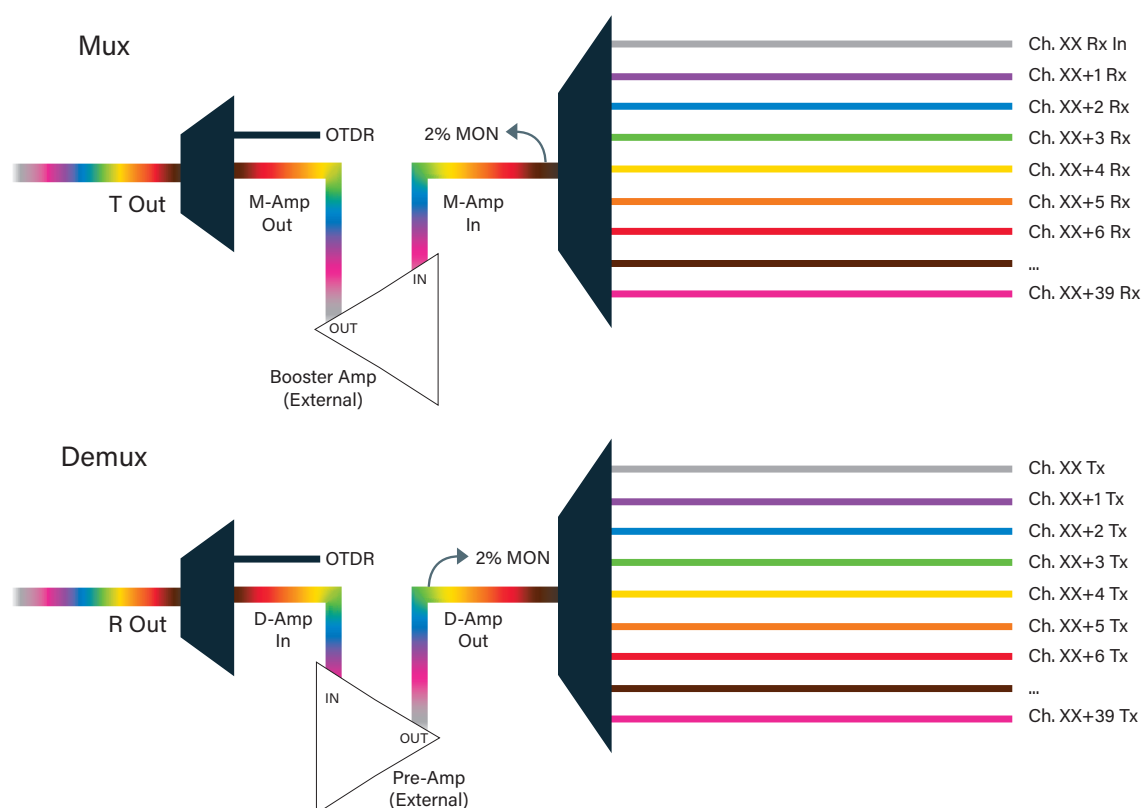
1. Optical Requirements

Parameter	Value
Passband Width	ITU $\pm$ 0.1nm
Passband Ripple	$\leq$ 0.5dB
Isolation, Adjacent Channel - DWDM	$\geq$ 25dB
Isolation, Non-Adjacent Channel - DWDM	$\geq$ 29dB
Total Isolation	$\geq$ 22dB
OTDR Port Isolation	$\geq$ 30dB
Amp In/Out Port Isolation	$\geq$ 15dB
Return Loss	$\geq$ 40dB DWDM; $\geq$ 45dB OTDR
Directivity	$\geq$ 40dB DWDM; $\geq$ 50dB OTDR
Polarization Dependent Loss	$\leq$ 0.5dB
Polarization Mode Dispersion	$\leq$ 0.5ps

2. Insertion Loss

Parameter	Value
DWDM Channel Insertion Loss (Max.)	$\leq 4.8\text{dB}$
OTDR Port Insertion Loss (Max.)	$\leq 1.0\text{dB}$
MON Port Insertion Loss	23.8dB Mux/19.0dB Demux

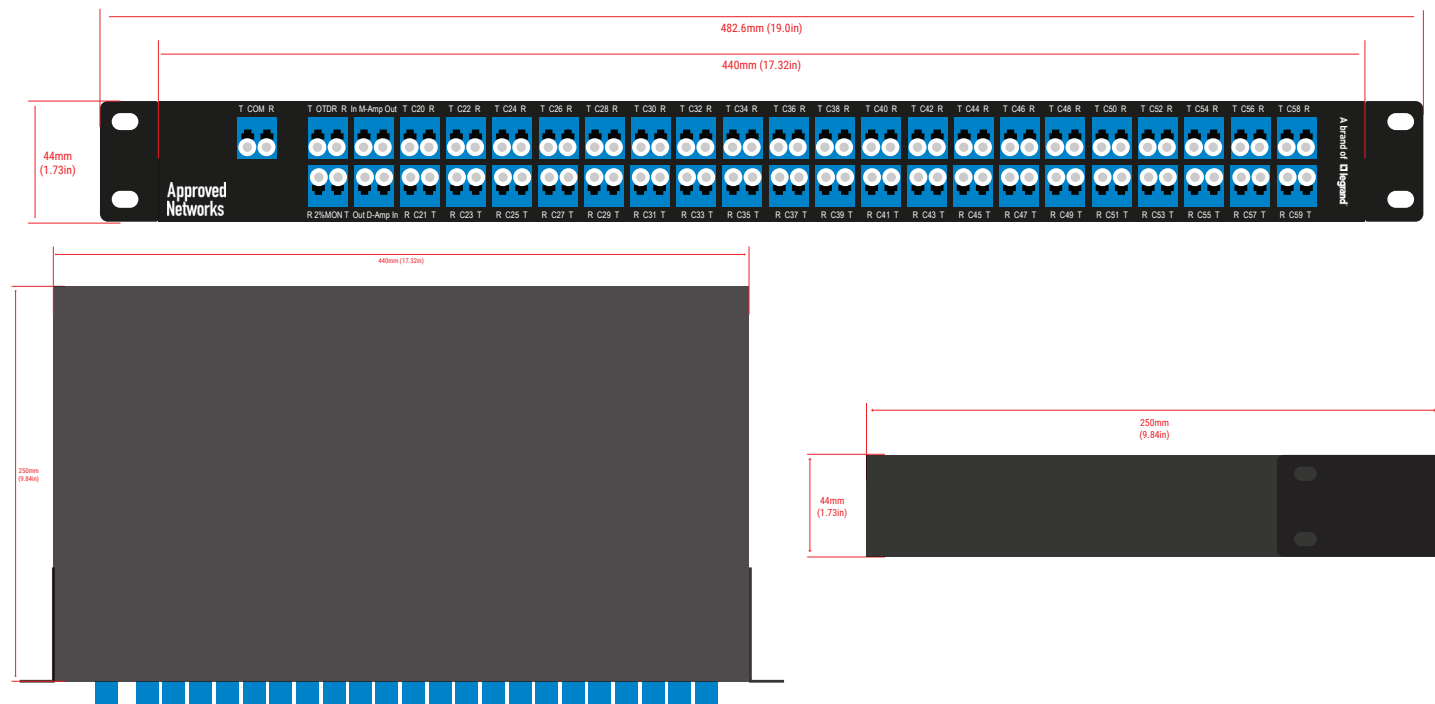
3. Network Diagram



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-XX-R	DWDM M/D, OTDR, 100GHz, 40 Channel, LC, Gaussian AWG, AMP ports, CH. XX Start, 2% Mon, 1RU, Low IL

6. Contact Information

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