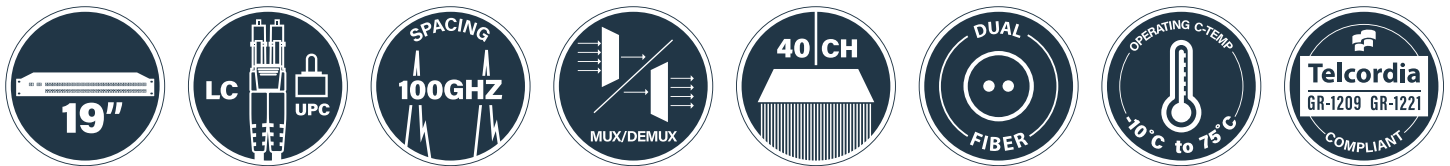
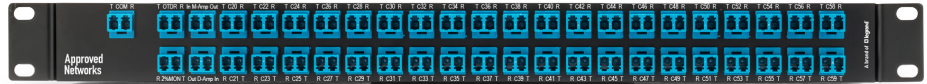


### Features:

- 40 Channel Dual Fiber DWDM Mux/Demux  
19" Rackmount + OTDR + Amp In/Out
- Channel Wavelengths: DWDM  
CH. 20 - 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



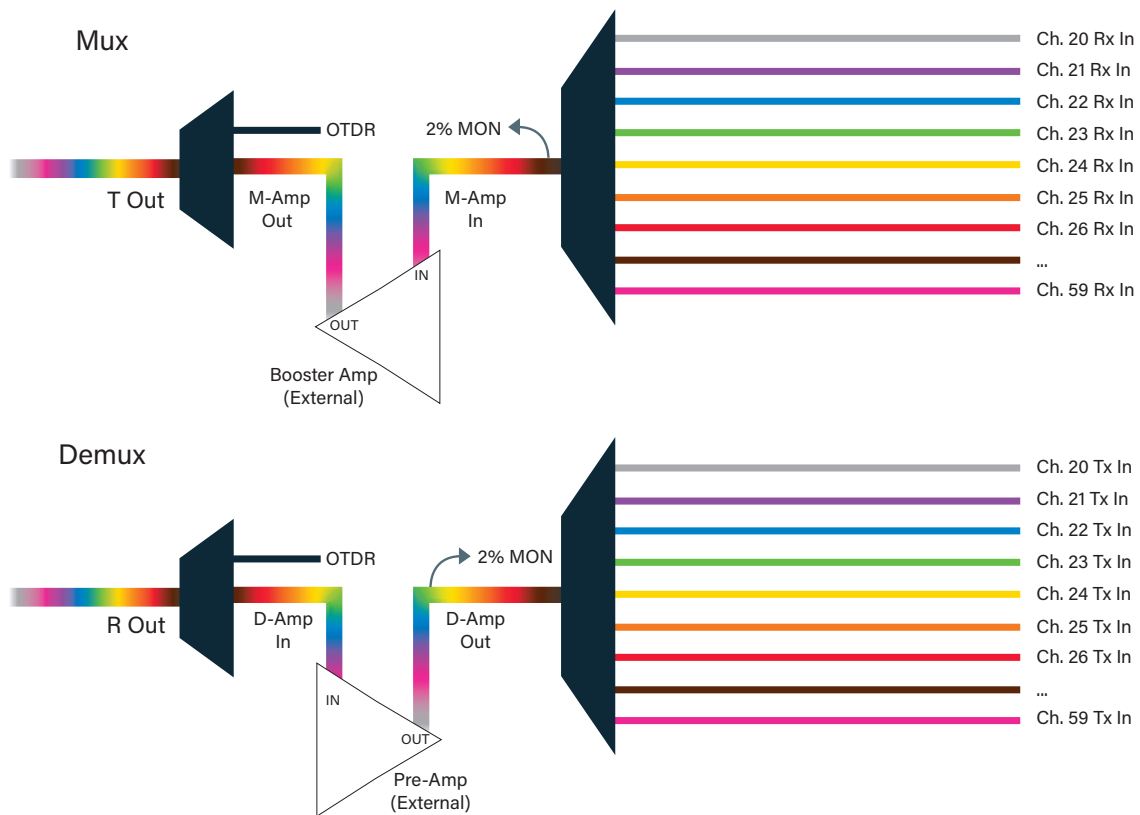
### 1. Optical Requirements

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

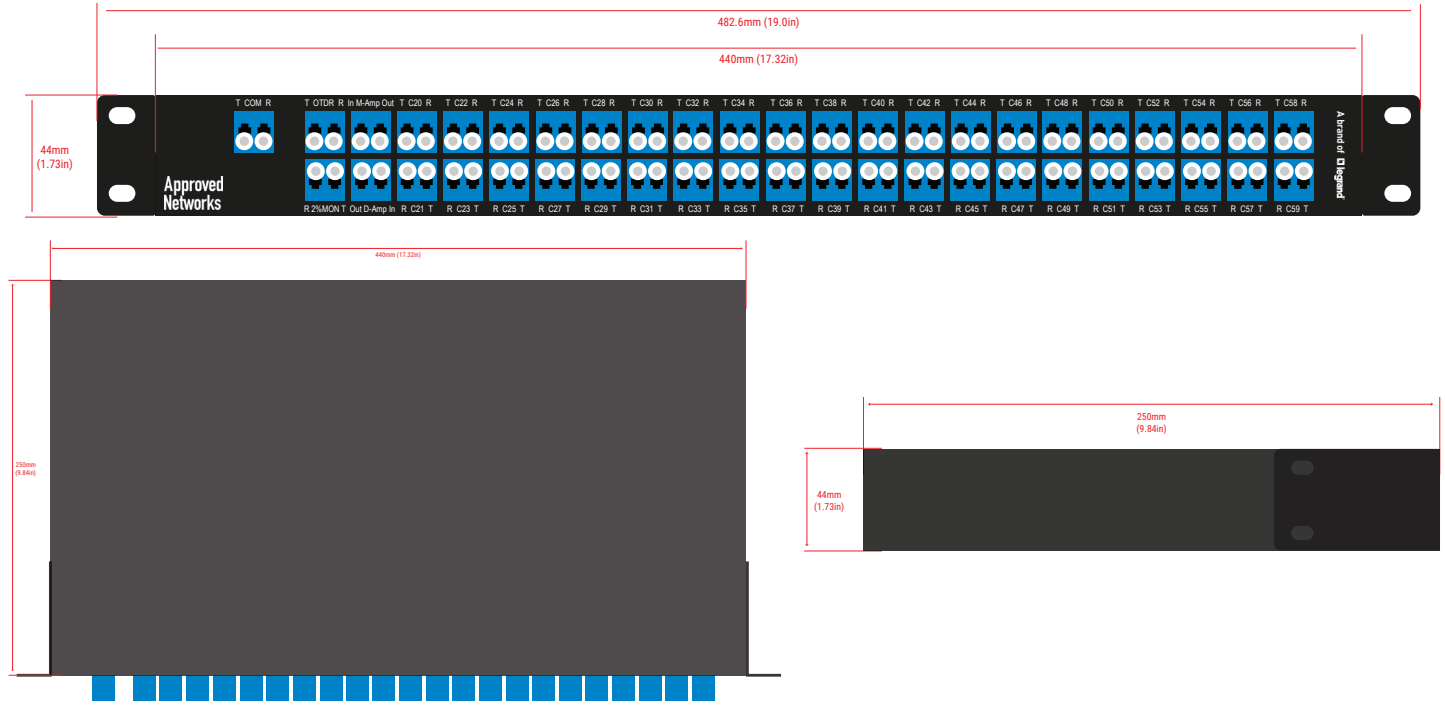
## 3. Network Diagram



**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-20-R	DWDM M/D, OTDR, 100GHz, 40 Channel, LC, Gaussian AWG, AMP ports, CH. 20 Start, 2% Mon, 1RU, Low IL

### 6. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>