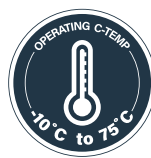
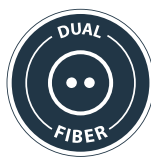
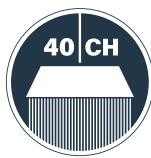
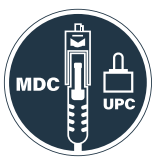
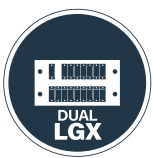
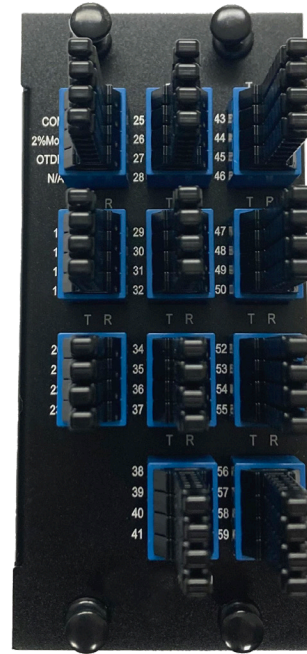


## Features:

- 40+1 Channel Dual Fiber DWDM Mux/Demux Rackmount with Gaussian AWG Filter
- Channel Wavelengths: DWDM  
 CH. 16 - CH. 23  
 CH. 25 - CH. 32  
 CH. 34 - CH. 41  
 CH. 43 - CH. 50  
 CH. 52 - CH. 59
- OTDR center wavelength: 1625nm
- OTDR passband width: 1600–1670nm
- Channel Spacing: 100GHz
- RoHS compliant
- Reliability: Telcordia GR-1209,GR-1221
- Maximum Optical Power: 250mW
- Connector Type - All Ports: MDC/UPC
- Operating Temperature: -5 to 65°C
- Storage Temperature: -40 to 85°C
- Storage Humidity: 5% to 95% RH
- Dimensions: 200mm x 100mm x 57mm
- Faceplate: 130mm x 44mm



## 1. Optical Requirements

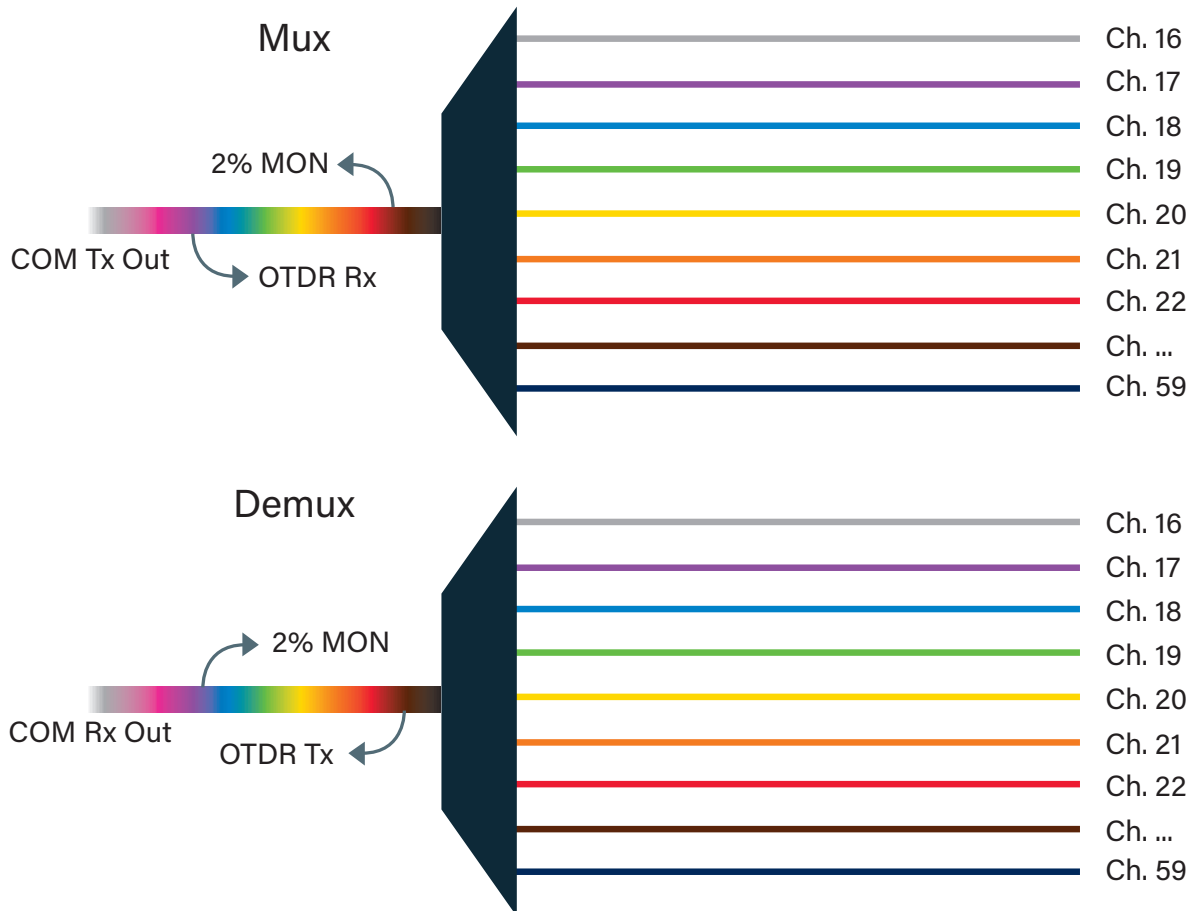
Parameter	Value
Passband Width	ITU±0.1nm
Passband Ripple (Max.)	≤ 2.0dB
Isolation, Adjacent Channel - DWDM	≥ 25dB
Isolation, Non-Adjacent Channel - DWDM	≥ 30dB
Total Isolation	≥ 21dB
Isolation for OTDR Port	≥ 30dB
Return Loss - AWG Ports (Min.)	≥ 40dB
Directivity	≥ 40dB

Polarization Dependent Loss	≤ 0.7dB
Polarization Mode Dispersion	≤ 0.5ps

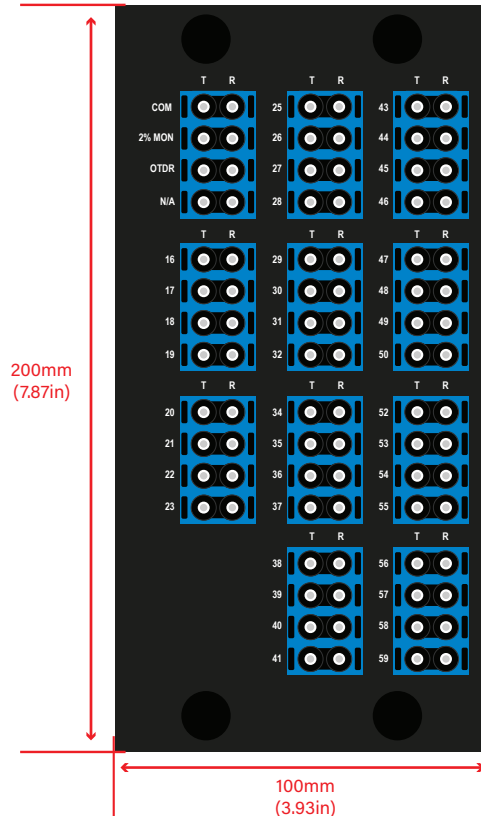
## 2. Insertion Loss

Parameter	Value
AWG Insertion Loss (Max., Incl. Connectors)	4.5dB
AWG Insertion Loss (Typ., Incl. Connectors)	4.0dB
OTDR Port Insertion Loss (Max., Incl. Connectors)	1.0dB
OTDR Port Insertion Loss (Typ., Incl. Connectors)	0.8dB
MON Port Insertion Loss	23.5dB Mux/19.0dB Demux

## 3. Network Diagram



## 4. Mechanical Diagram



## 5. Ordering Information: Modules

Root SKU	Part Number	Description
Pending	ZS-DWDM-MDGO-100-40-M-8-1-16-2L	DWDM 100GHz Spacing, Mux/Demux Pair (Dual Fiber), Gaussian GAWG, 40 Channel, L (MDC/UPC), Channel 16 Start, Single Module, 2 Wide LGX, OTDR, 8-Skip-1, MON 2% M/D

## 6. Contact Information

Tel: 800.590.9535

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