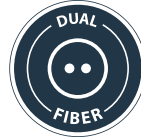


Features:

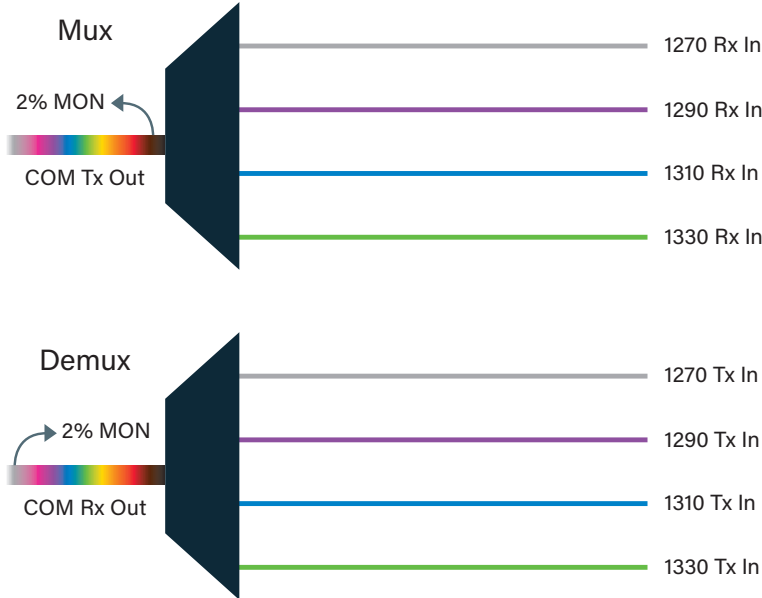
- 4 Channel Dual Fiber CWDM Mux/Demux
- Channel Wavelengths: CWDM 1270nm - 1330nm
- Channel Spacing: 20nm
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Reliability: Telcordia GR-1209, GR-1221
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- Dimensions: 130mm x 100mm x 28.5mm
- Face Width: 130mm



1. Optical Requirements

Parameter	Value
Passband, CWDM Channel Ports (Min.)	$\geq \text{ITU} \pm 6.5\text{nm}$
Central Wavelength - CWDM	1270nm - 1330nm
Channel Spacing	20nm
Passband Ripple (Max.)	$\leq 0.5\text{dB}$
Isolation, Adjacent Channel - CWDM (Min.)	$\geq 30\text{dB}$
Isolation, Non-Adjacent Channel - CWDM (Min.)	$\geq 40\text{dB}$
Return Loss - All Ports (Min., Including Connectors)	$\geq 45\text{dB}$
Directivity - CWDM Ports (Min.)	$\geq 50\text{dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2\text{dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2\text{ps}$
CWDM Channel Insertion Loss (Max., Incl. Connectors)	$\leq 1.5\text{dB}$

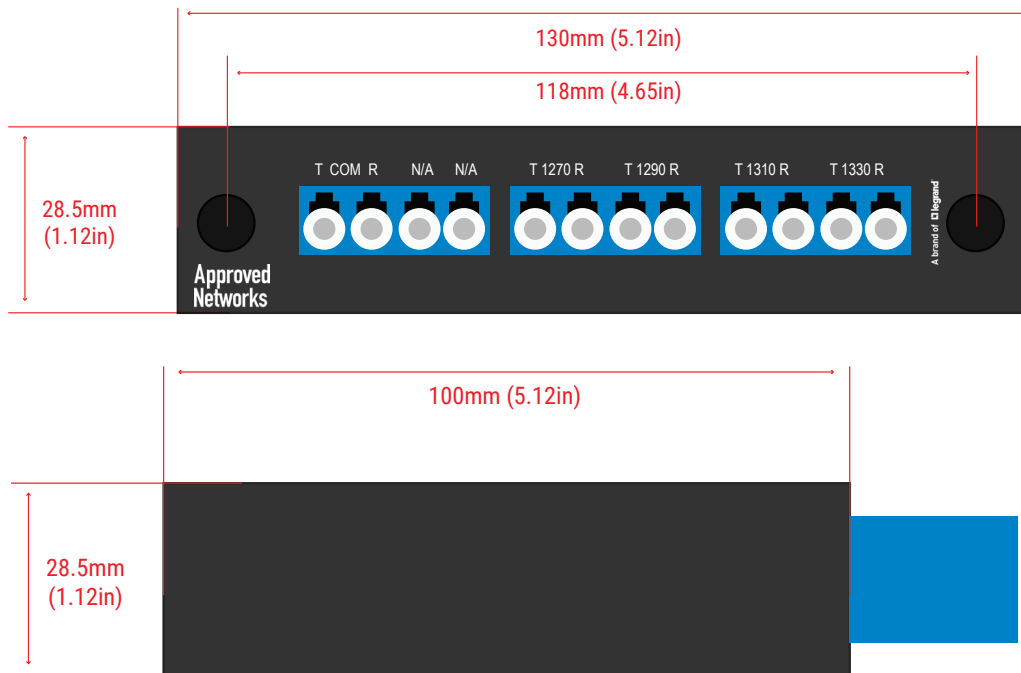
2. Network Diagram



Channel	Typical	Max
1270	0.7	0.9
1290	0.9	1.1
1310	1.1	1.3
1330	1.3	1.5

Channel	Typical	Max
1330	0.7	0.9
1310	0.9	1.1
1290	1.1	1.3
1270	1.3	1.5

3. Mechanical Diagram



4. Ordering Information: Modules

Part Number	Description
ZS-CWDM-AF15M-LL	CWDM Mux/Demux, 1270nm - 1330nm, 4 Channel, 20nm Spacing, 2% MON, LGX Module, LC/UPC

5. Ordering Information: Mounting Options

LGX Chassis



Part Number	Description	Dimensions	LGX Slots
ZS-LGX3R-14S-CHASSIS-1923	LGX 3RU Chassis For 14 LGX Modules And Fiber Mgmt. - 19 Or 23" Rack	Fits 19" Or 23" Rack x 3RU	14



Part Number	Description	Dimensions	LGX Slots
ZS-LGX1R-3S-CHASSIS-1923	LGX 1RU Chassis For 3 LGX Modules And Fiber Mgmt. - 19 Or 23" Rack	Fits 19" Or 23" Rack x 1RU	3

LGX Faceplate



Part Number	Description	Dimensions	LGX Slots
LGX1R-FACEPLATE	1RU Faceplate 19" With 3 LGX Slots For Passives	Fits 19" Rack x 1RU	3

Magnetic "C" Bracket



Part Number	Description	Dimensions	LGX Slots
LGX-2U2L	2RU Magnetic Bracket With 2 LGX Slots For Passives	5.28" x 3.94" x 2.44"	2

6. Contact Information

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