

Features:

- 4+1 Channel DWDM LGX with Express
- Channel Wavelengths: DWDM CH. xx - CH. xx+3 + Express
- Channel Spacing: 100GHz
- Reliability: Telcordia GR-1209, GR-1221
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- Dimensions: 100mm x 100mm x 28.5mm
- Faceplate: 130mm



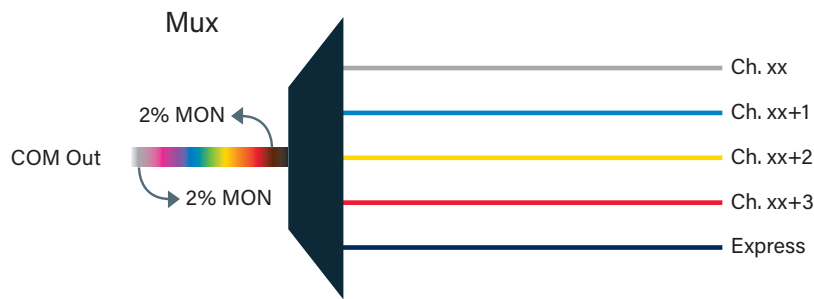
1. Optical Requirements

Parameter	Value
Passband, DWDM Channel Ports (Min.)	\geq ITU \pm 0.11nm
Central Wavelength, DWDM	CH.21 - CH.24, CH.25 - CH.28, CH.29 - CH.32, CH.33 - CH.36, CH.37 - CH.40, CH.41 - CH.44, CH. 45 - CH.48, CH.49 - CH.52, CH.53 - CH.56, CH.57 - CH.60
Passband, Express Port (Min., Minus Channel Wavelengths)	1470nm - 1620nm
Passband Ripple (Max.)	\leq 0.5dB
Isolation, Adjacent Channel (Min.)	\geq 30dB
Isolation, Non-Adjacent Channel (Min.)	\geq 40dB
Isolation, Express Channel (Min.)	\geq 12dB
Return Loss - All Ports (Min.)	\geq 45dB
Directivity - DWDM Ports (Min.)	\geq 50dB
Polarization Dependent Loss (Max.)	\leq 0.2dB
Polarization Mode Dispersion (Max.)	\leq 0.2ps

2. Insertion Loss

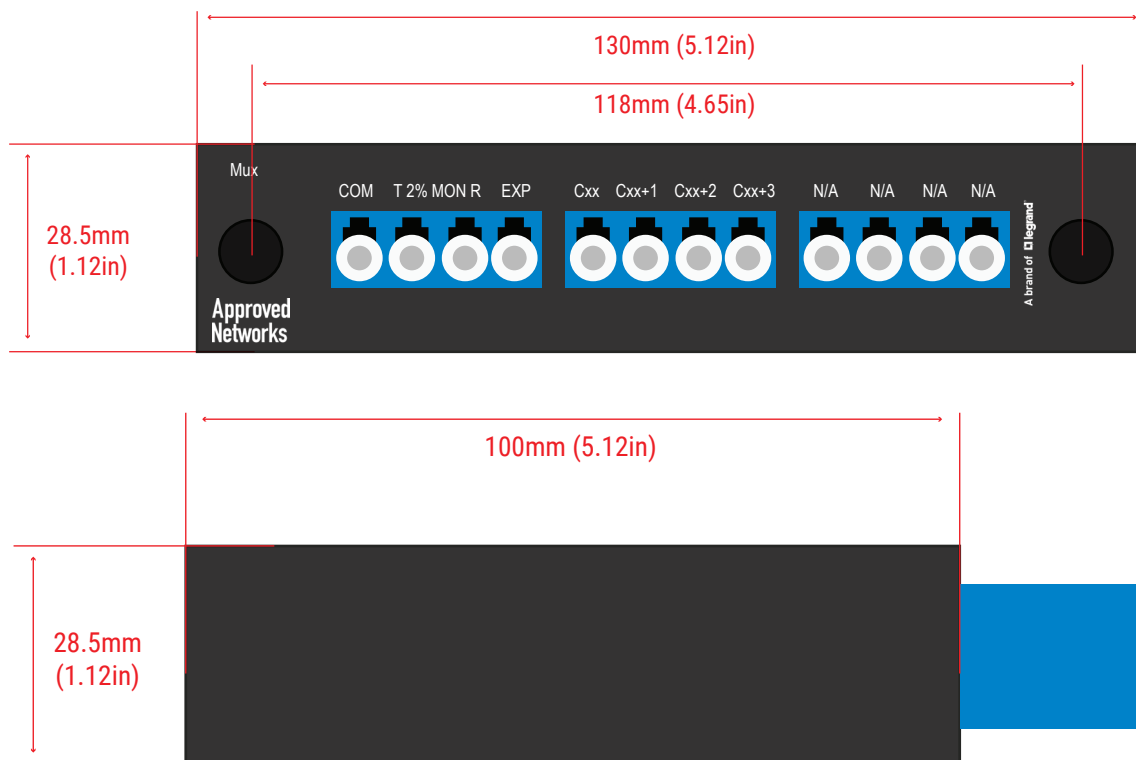
Parameter	Value
DWDM Channel Insertion Loss (Typ., Incl. Connectors)	≤ 1.9dB
DWDM Channel Insertion Loss (Max., Incl. Connectors)	≤ 2.1dB
Express Insertion Loss (Typ., Incl. Connectors)	≤ 1.6dB
Express Insertion Loss (Max., Incl. Connectors)	≤ 1.8dB
MON Port Insertion Loss (Incl. Connectors)	21.1dB Mux/19.0dB Demux

3. Network Diagram



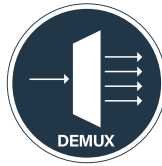
Channel	Typ. (dB)	Max. (dB)
Ch. xx	1.0	1.2
Ch. xx+1	1.3	1.5
Ch. xx+2	1.6	1.8
Ch. xx+3	1.9	2.1
EXP	1.6	1.8

4. Mechanical Diagram



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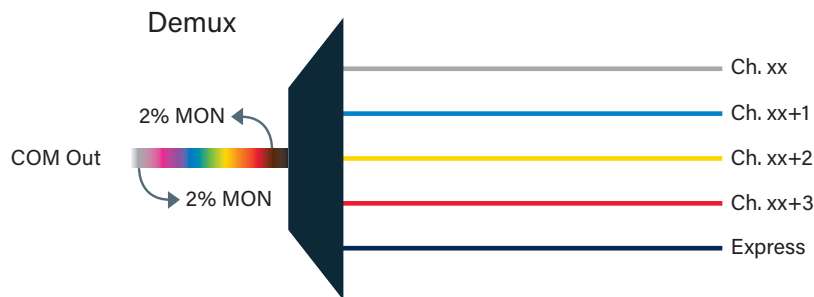
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Isolation, Adjacent Channel (Min.)	\geq 30dB
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Isolation, Express Channel (Min.)	\geq 12dB
Return Loss - All Ports (Min.)	\geq 45dB
Directivity - DWDM Ports (Min.)	\geq 50dB
Polarization Dependent Loss (Max.)	\leq 0.2dB
Polarization Mode Dispersion (Max.)	\leq 0.2ps

2. Insertion Loss

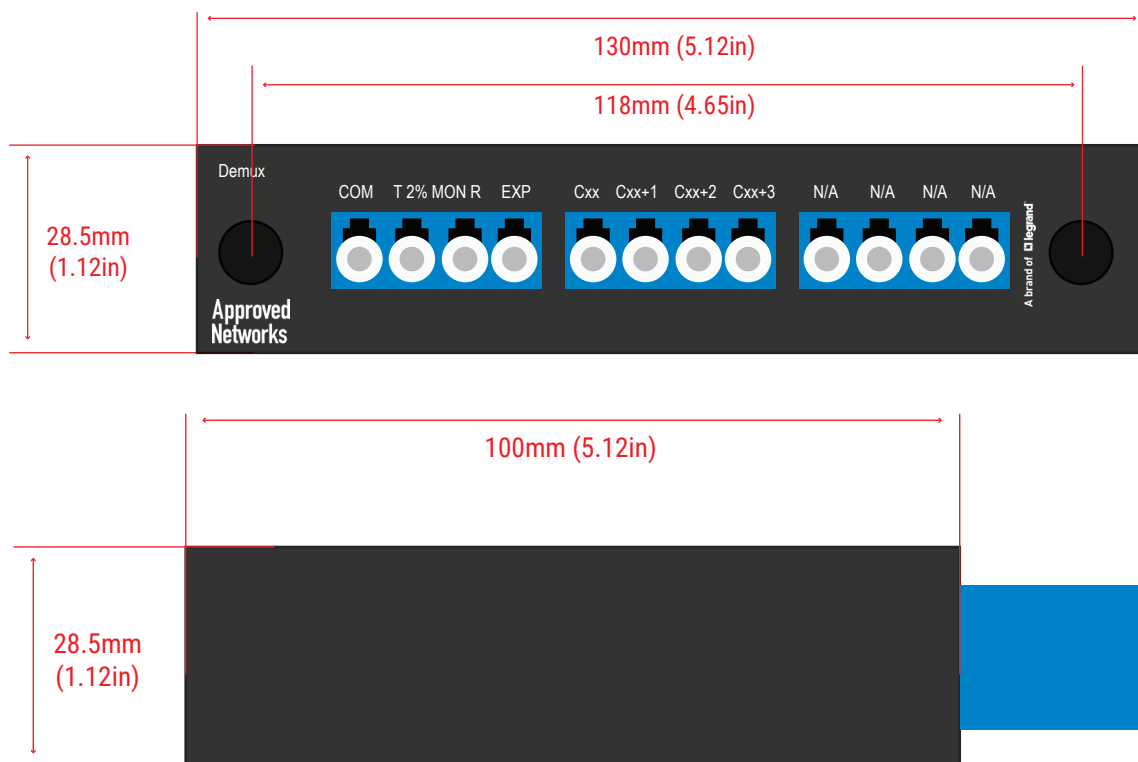
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3. Network Diagram



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Ch. xx+1	1.6	1.8
Ch. xx+2	1.3	1.5
Ch. xx+3	1.0	1.2
EXP	1.6	1.8

4. Mechanical Diagram



5. Ordering Information: Module

Part Number	Description
ZS-DWDM-SFB-100-4-L-8-0-21-L	DWDM SF MUX 100GHz 4Ch / 2Svcs LC, No Skips, Ch. 21 Start, Monitor, Exp, LGX
ZS-DWDM-SFD-100-4-L-8-0-21-L	DWDM SF DEMUX 100GHz 4Ch / 2Svcs LC, No Skips, Ch. 21 Start, Monitor, Exp, LGX

6. 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
LGX1R-FACEPLATE-23	1RU Faceplate 23" With 3 LGX Slots For Passives	Fits 23" 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

7. Contact Information

Tel: 800.590.9535

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