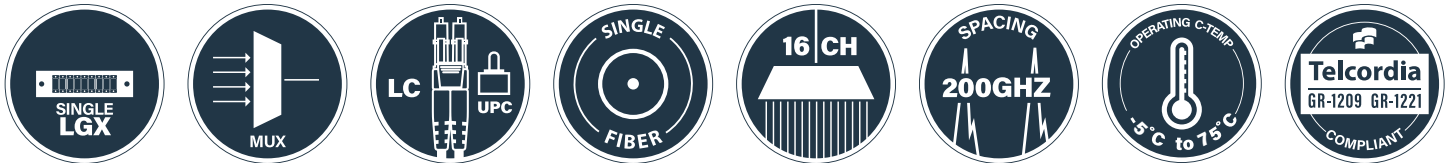
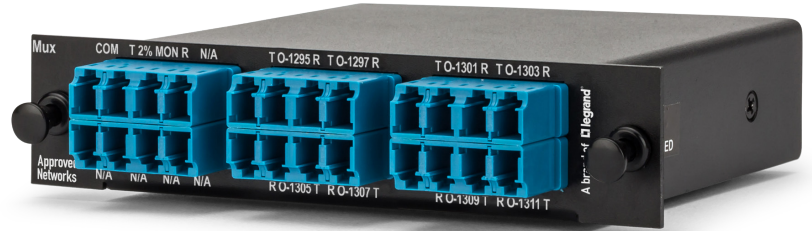


Features:

- O-Band 16 Channel DWOB Single Fiber Mux
- Channel Wavelengths: DWDM 1295.56-1312.58
- Channel Spacing: 200GHz
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Reliability: Telcordia GR-1209, GR-1221
- Operating Temperature: -5 to 75°C
- Storage Temperature: -40 to 85°C
- Dimensions: 100mm x 100mm x 28.5mm
- Faceplate: 130mm



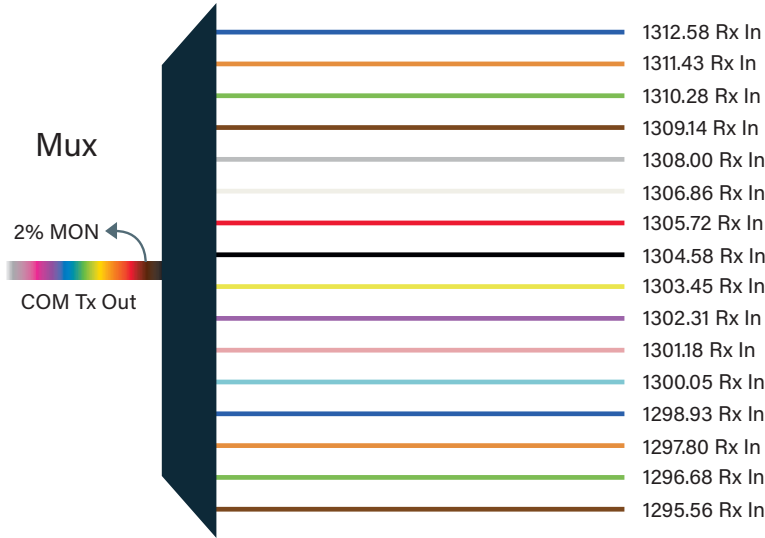
1. Optical Requirements

Parameter	Value
Passband, DWDM Channel Ports (Min.)	$\geq \text{ITU} \pm 0.16\text{nm}$
Passband Ripple (Max.)	$\leq 0.5\text{dB}$
Isolation, Adjacent Channel - DWDM (Min.)	$\geq 25\text{dB}$
Isolation, Non-Adjacent Channel - DWDM (Min.)	$\geq 35\text{dB}$
Return Loss - All Ports (Min., Including Connectors)	$\geq 40\text{dB}$
Directivity - DWDM Ports (Min.)	$\geq 50\text{dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2\text{dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2\text{ps}$

2. Insertion Loss

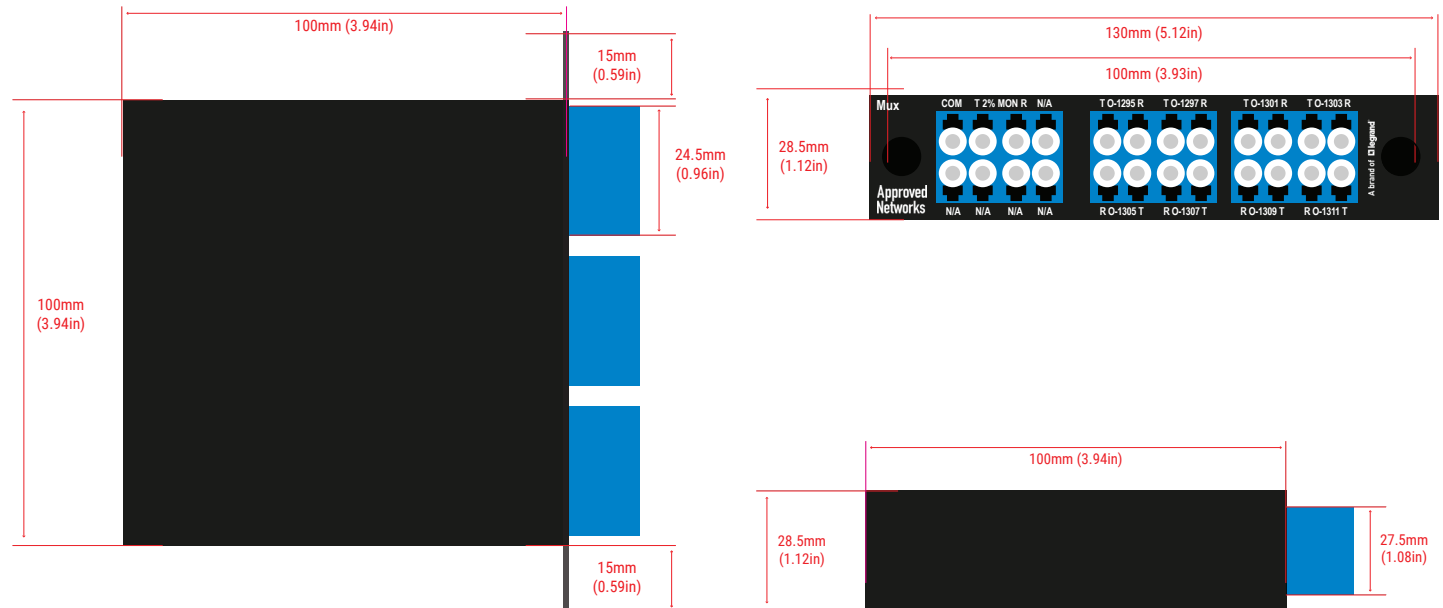
Parameter	Value
DWDM Mux or Demux (Typ., Incl. Connectors)	4.3dB
DWDM Mux or Demux (Max., Incl. Connectors)	$\leq 4.5\text{dB}$
DWDM Mux or Demux (Typ., Incl. Connectors)	5.3dB
DWDM Mux or Demux (Max., Incl. Connectors)	$\leq 5.7\text{dB}$
2% MON Port Insertion Loss (Max., Incl. Connectors)	$\leq 23.5\text{dB Mux}/19.0\text{dB Demux}$

3. Network Diagram



Channel	Typ.	Max.
1312.58	1.0	1.2
1311.43	1.3	1.5
1310.28	1.6	1.8
1309.14	1.9	2.1
1308.00	2.1	2.3
1306.86	2.3	2.5
1305.72	2.5	2.7
1304.58	2.7	2.9
1303.45	2.9	3.1
1302.31	3.1	3.3
1301.18	3.3	3.5
1300.05	3.5	3.7
1298.93	3.7	3.9
1297.80	3.9	4.1
1296.68	4.1	4.3
1295.56	4.3	4.5

4. Mechanical Diagram



Features:

- O-Band 16 Channel DWOB Single Fiber Demux
- Channel Wavelengths: DWDM 1295.56-1312.58
- Channel Spacing: 200GHz
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Reliability: Telcordia GR-1209, GR-1221
- Operating Temperature: -5 to 75°C
- Storage Temperature: -40 to 85°C
- Dimensions: 100mm x 100mm x 28.5mm
- Faceplate: 130mm



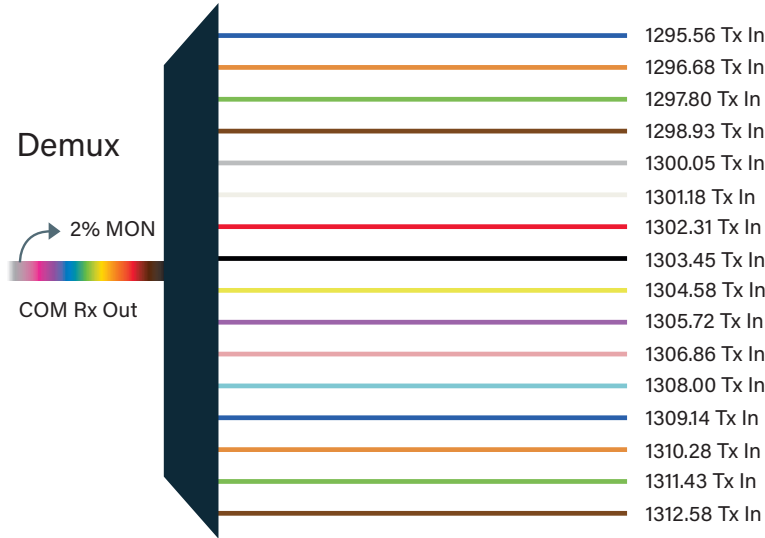
1. Optical Requirements

Parameter	Value
Passband, DWDM Channel Ports (Min.)	$\geq \text{ITU} \pm 0.16\text{nm}$
Passband Ripple (Max.)	$\leq 0.5\text{dB}$
Isolation, Adjacent Channel - DWDM (Min.)	$\geq 25\text{dB}$
Isolation, Non-Adjacent Channel - DWDM (Min.)	$\geq 35\text{dB}$
Return Loss - All Ports (Min., Including Connectors)	$\geq 40\text{dB}$
Directivity - DWDM Ports (Min.)	$\geq 50\text{dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2\text{dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2\text{ps}$

2. Insertion Loss

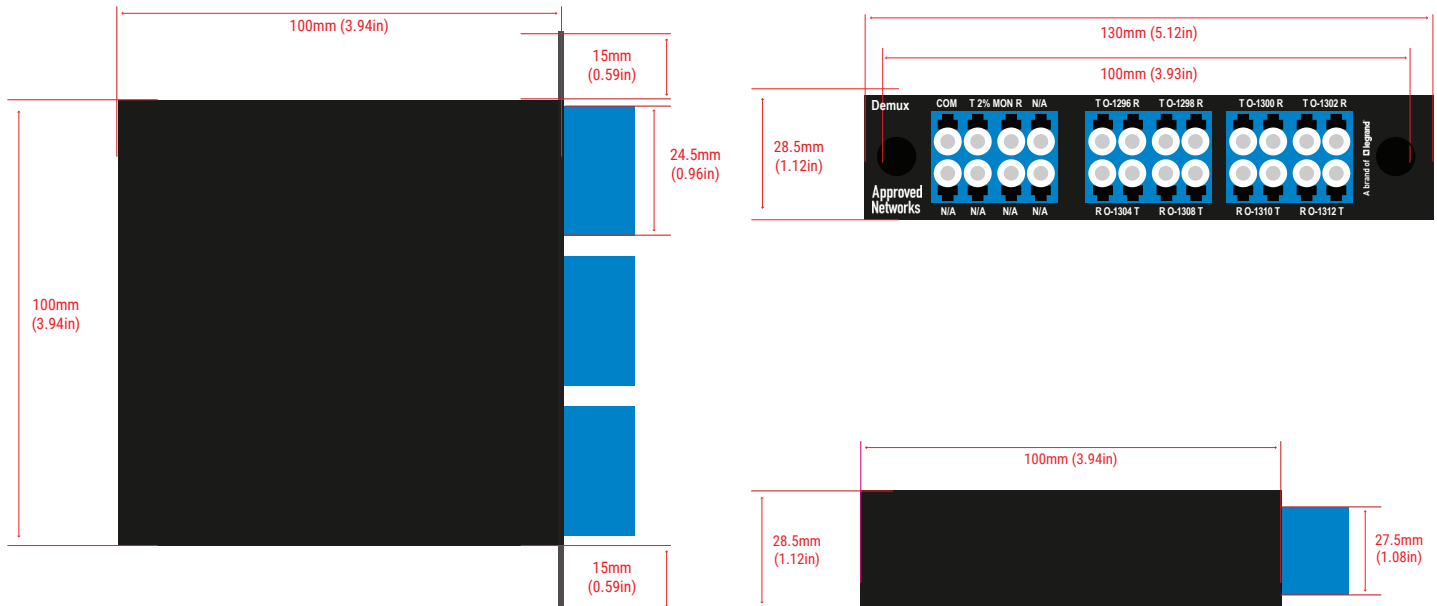
Parameter	Value
DWDM Mux or Demux (Typ., Incl. Connectors)	4.3dB
DWDM Mux or Demux (Max., Incl. Connectors)	$\leq 4.5\text{dB}$
DWDM Mux or Demux (Typ., Incl. Connectors)	5.3dB
DWDM Mux or Demux (Max., Incl. Connectors)	$\leq 5.7\text{dB}$
MON Port Insertion Loss (Max., Incl. Connectors)	$\leq 23.5\text{dB Mux}/19.0\text{dB Demux}$

3. Network Diagram



Channel	Typ.	Max.
1295.56	1.0	1.2
1296.68	1.3	1.5
1297.80	1.6	1.8
1298.93	1.9	2.1
1300.05	2.1	2.3
1301.18	2.3	2.5
1302.31	2.5	2.7
1303.45	2.7	2.9
1304.58	2.9	3.1
1305.72	3.1	3.3
1306.86	3.3	3.5
1308.00	3.5	3.7
1309.14	3.7	3.9
1310.28	3.9	4.1
1311.43	4.1	4.3
1312.58	4.3	4.5

4. Mechanical Diagram



5. Ordering Information: Module

Root SKU	Part Number	Description
O4C16LC95080030	ZS-DWOB-SFB-200-16-L-N-0-1295-L	O-Band DWOB SF MUX 200GHz 16Ch / 8Svcs LC, No Skips, Ch O-1295 start, 2% M&D Monitor, LGX
O5C16LC95080030	ZS-DWOB-SFD-200-16-L-N-0-1295-L	O-Band DWOB SF DEMUX 200GHz 16Ch / 8Svcs LC, No Skips, Ch O-1295 start, 2% M&D Monitor, 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

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>