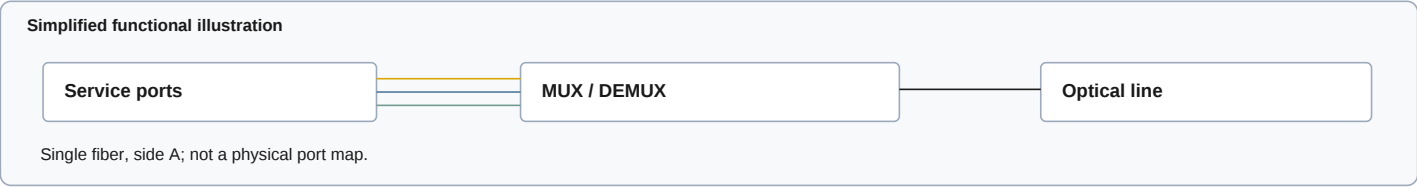
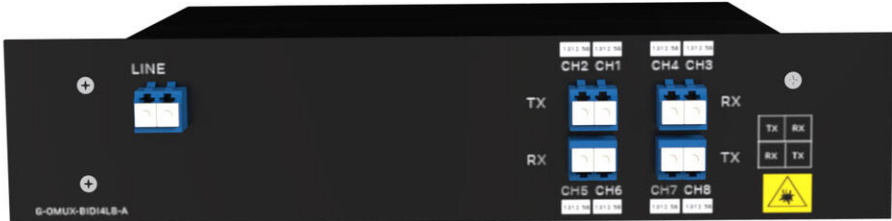


G-OMUX-BIDI4LB-A

4-channel BiDi O-band DWDM MUX/DEMUX

1. Product overview

4-channel BiDi O-band DWDM MUX/DEMUX. Passive optical filtering combines and separates wavelength channels for transmission over a single fiber using complementary transmit/receive wavelengths.



2. Key features

- Passive optical operation; no electrical supply required.
- 4 services / 8 wavelengths; Not specified.
- Line / service ports.

3. Applications

Optical transport, metro networks, data center interconnect and fiber-capacity expansion.

4. Technical data

Parameter	Specification
Service / channel configuration	4 services / 8 wavelengths
Transmission topology	Single fiber, side A
Filter technology	TFF (thin-film filter)
Optical connector	LC
Dimensions	220 × 200 × 39 mm (H × W × D, source labels)
Net weight	0.5 kg
Mounting / enclosure	2-slot 1U rack

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-10 to +85°C
Storage temperature	-40 to +85°C

G-OMUX-BIDI4LB-A

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
Work wavelengths (PDF table)	1304.58 / 1305.72 / 1306.85 / 1308.00 / 1309.14 / 1310.28 / 1311.43 / 1312.58 nm	Polarization mode dispersion (PMD)	≤0.2 ps
Operating wavelength range	1260-1360 nm	Polarization dependent loss (PDL)	≤0.2 dB
Channel spacing	100 GHz (0.8 nm)	Isolation, adjacent channels	≥25 dB
Channel passband	±0.11 nm	Isolation, non-adjacent channels	≥35 dB
Insertion loss, wavelength ports	≤2.0 dB	Receive wavelengths, A-side source panel	1304.58 / 1306.85 / 1309.14 / 1311.43 nm
Link loss	≤0.5 dB	Receive wavelengths, B-side source panel	1305.72 / 1308.00 / 1310.28 / 1312.58 nm
Return loss	≥45 dB	Loss values in PDF introduction	<2.4 dB waves to west/east; <4.0 dB line west-east
Directivity	≥45 dB		

7. Digital diagnostics and management

No built-in DDM, management protocol or electrical telemetry is specified for this passive device.

8. Safety and regulatory

The source states a DWDM optical grid. No product-specific safety certification or active-laser classification is specified for this passive device.

9. Ordering information

Product number	Description
G-OMUX-BIDI4LB-A	4-channel BiDi O-band DWDM MUX/DEMUX; LC LGX module
G-OMUX-BIDI4LB-B	Matching opposite-side unit

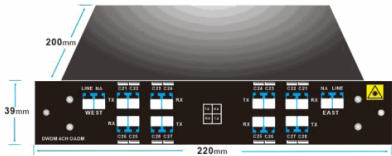


Figure 3 LGX BOX Plug in 2-Slot 1U Rack