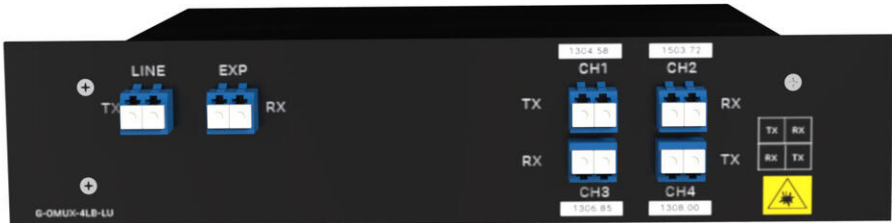


G-OMUX-4LB-LU

4-channel O-band DWDM MUX/DEMUX

1. Product overview

4-channel O-band DWDM MUX/DEMUX. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



Simplified functional illustration



Dual fiber; not a physical port map.

2. Key features

- Passive optical operation; no electrical supply required.
- 4 services; 200 GHz.
- 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
Transmission topology	Dual fiber
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

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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	Return loss	≥45 dB
Operating wavelength range	1260-1360 nm	Directivity	≥45 dB
Frequency range in PDF title	228.4-229.0 THz	Polarization mode dispersion (PMD)	≤0.2 ps
Channel spacing	200 GHz	Polarization dependent loss (PDL)	≤0.2 dB
Channel passband	±0.11 nm	Isolation, adjacent channels	≥25 dB
Insertion loss, wavelength ports	≤2.0 dB	Isolation, non-adjacent channels	≥35 dB
Link loss	≤0.5 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-4LB-LU	4-channel O-band DWDM MUX/DEMUX; LC LGX module

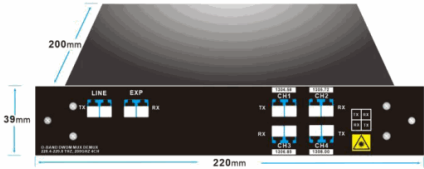


Figure 3 LGX BOX Plug in 2-Slot 1U Rack