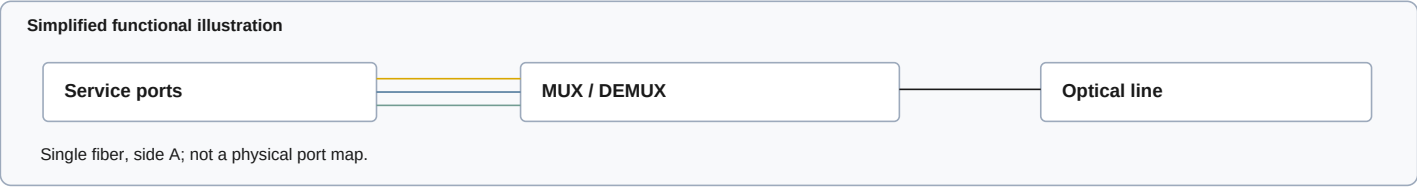
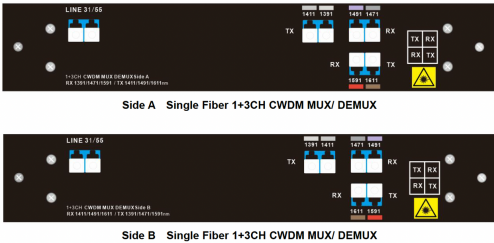


G-CMUX-WB01-3961-A

1+3-channel single-fiber CWDM MUX/DEMUX, side A, 1310/1550 nm

1. Product overview

1+3-channel single-fiber CWDM MUX/DEMUX, side A, 1310/1550 nm. Passive optical filtering combines and separates wavelength channels over a single fiber using complementary A/B configurations.



2. Key features

- Passive operation; no electrical power supply required.
- 1 BiDi service + 3 CWDM services (6 CWDM wavelengths); 20 nm channel spacing.
- Line / BiDi 1310-1550 nm / CWDM.

3. Applications

CWDM metro/access networks, point-to-point transmission, broadcast, data centers, cloud and enterprise networks.

4. Technical data

Parameter	Specification
Channel / service configuration	1 BiDi service + 3 CWDM services (6 CWDM wavelengths)
Optical topology	Single fiber, side A
Technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	190 × 200 × 39 mm (H × W × D)
Net weight	0.5 kg
Mounting	2-slot 1U rack; 440 × 230 × 44 mm; 1.5 kg

5. Recommended operating conditions

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

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
BiDi service wavelengths	1310 / 1550 nm	Return loss	=45 dB
Side A RX / TX	1391 / 1471 / 1591 nm RX; 1411 / 1491 / 1611 nm TX	Directivity	=45 dB
Side B RX / TX	1411 / 1491 / 1611 nm RX; 1391 / 1471 / 1591 nm TX	Polarization mode dispersion (PMD)	=0.1 ps
Channel spacing	20 nm	Polarization dependent loss (PDL)	=0.3 dB
Channel passband	±6.5 nm	Adjacent channel isolation	=30 dB
Insertion loss, channel path	=2.0 dB	Non-adjacent channel isolation	=45 dB
Center wavelength accuracy	±0.05 nm		

7. Digital diagnostics and management

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

8. Safety and regulatory

No product-specific safety certification is specified in the available source. This is a passive optical filtering device.

9. Ordering information

Product number	Description
G-CMUX-WB01-3961-A	1+3-channel single-fiber CWDM MUX/DEMUX, side A, 1310/1550 nm; LC/UPC; LGX plug-in module
G-CMUX-WB01-3961-B	Matching opposite-side unit