

G-COADM-2-LU-5153

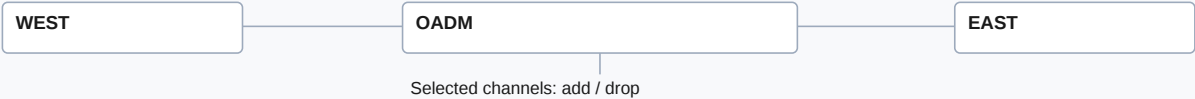
2-channel CWDM OADM, C51 / C53, east / west, LGX

1. Product overview

2-channel CWDM OADM, C51 / C53, east / west, LGX. Passive optical filtering adds and drops selected channels in west/east directions while other channels continue along the line.



Simplified functional illustration



2. Key features

- Passive operation; no electrical power supply required.
- 2 add/drop channels per direction; 20 nm channel spacing.
- West / east / add-drop.

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	2 add/drop channels per direction
Optical topology	Dual fiber OADM
Technology	TFF (thin-film filter)
Optical connector	LC
Dimensions	190 × 200 × 39 mm (H × W × D)
Net weight	0.5 kg
Mounting	2-slot 1U rack
LGX width in source drawing	220 mm

5. Recommended operating conditions

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

G-COADM-2-LU-5153

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
Selected variant channel names	C51 / C53	Center wavelength accuracy	±0.05 nm
Wavelength in shared PDF table	2 channels, 1470 / 1490 nm	Return loss	≥45 dB
Range in PDF introduction	1270-1610 nm	Directivity	≥45 dB
Channel spacing	20 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Channel passband	±6.5 nm	Polarization dependent loss (PDL)	≤0.3 dB
Insertion loss, channel path	≤1.2 dB, channel to west/east	Adjacent channel isolation	≥30 dB
Insertion loss, line / link path	≤1.8 dB, west-east	Non-adjacent channel isolation	≥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

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-COADM-2-LU-5153	2-channel CWDM OADM, C51 / C53, east / west, LGX; LC LGX plug-in module
G-COADM-2-LU-4749	C47 / C49; east + west; LGX
G-COADM-2-LU-5153	C51 / C53; east + west; LGX
G-COADM-2-LU-5557	C55 / C57; east + west; LGX
G-COADM-2-LU-5961	C59 / C61; east + west; LGX

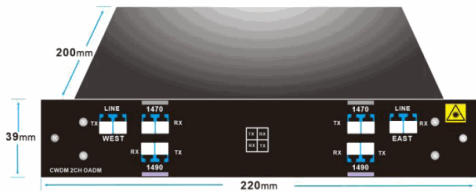


Figure 3 LGX BOX Plug in 2-Slot 1U Rack