

# G-COADM-2-LU-5557

2-channel CWDM OADM, C55 / C57, east / west, LGX

## 1. Product overview

2-channel CWDM OADM, C55 / C57, east / west, LGX. Passive optical filtering adds and drops selected channels in west/east directions while other channels continue along the line.



## 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  |

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## 6. Optical characteristics

| Optical parameter                | Specification                 | Optical parameter                  | Specification |
|----------------------------------|-------------------------------|------------------------------------|---------------|
| Selected variant channel names   | C55 / C57                     | 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-5557 | 2-channel CWDM OADM, C55 / C57, 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                                             |

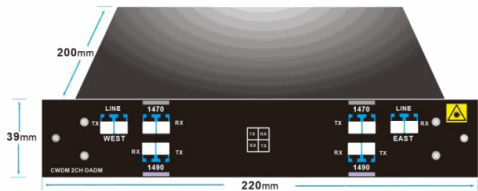


Figure 3 LGX BOX Plug in 2-Slot 1U Rack