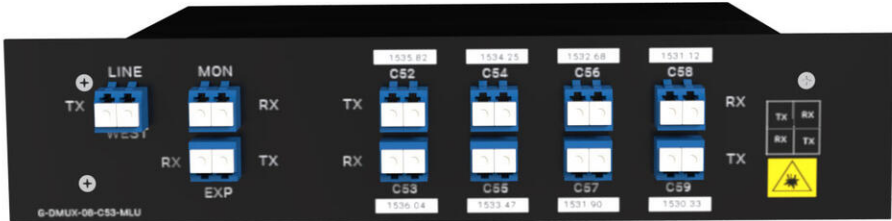


G-DMUX-08-C53-MLU

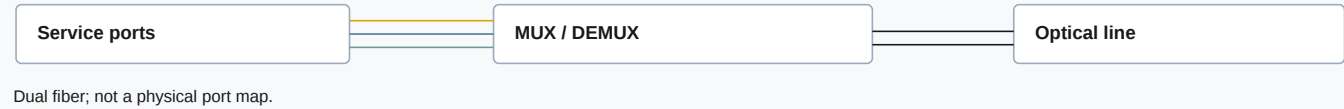
8-channel DWDM MUX/DEMUX, C52-C59, CWDM overlay

1. Product overview

8-channel DWDM MUX/DEMUX, C52-C59, CWDM overlay. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



Simplified functional illustration



2. Key features

- Passive optical operation; no electrical supply required.
- 8 channels, C52-C59; 100 GHz (0.8 nm).
- Line / channels / EXP / 1% MON.

3. Applications

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

4. Technical data

Parameter	Specification
Service / channel configuration	8 channels, C52-C59
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	-40 to +70°C
Storage temperature	-40 to +85°C

G-DMUX-08-C53-MLU

6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
DWDM channels / wavelength range	C52-C59 / 1535.82-1530.33 nm	Directivity	≥45 dB
Channel spacing	100 GHz (0.8 nm)	Polarization mode dispersion (PMD)	≤0.1 ps
Channel passband	±0.11 nm	Polarization dependent loss (PDL)	≤0.3 dB
Insertion loss, wavelength ports	≤2.4 dB	Isolation, adjacent channels	≥30 dB
Link loss	±3.2 dB	Isolation, non-adjacent channels	≥45 dB
Center wavelength accuracy	±0.05 nm	Insertion loss, 1% monitor port	≤26 dB
Return loss	≥45 dB		

7. Digital diagnostics and management

An optical monitor port is listed for external link/power monitoring. No built-in DDM, management protocol or electrical telemetry is specified.

8. Safety and regulatory

ITU-T G.694.1 is cited in the source description. Product-specific safety certifications are not specified.

9. Ordering information

Product number	Description
G-DMUX-08-C53-MLU	8-channel DWDM MUX/DEMUX, C52-C59, CWDM overlay; LC LGX module

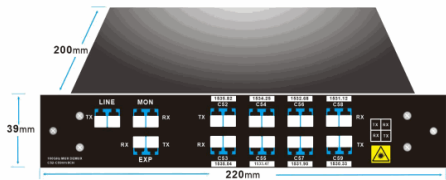


Figure 3 LGX BOX Plug in 2-Slot 1U Rack