

G-DMDOA2-LGX01-Cxxyy

2-channel DWDM OADM, west / east, monitor port

1. Product overview

2-channel DWDM OADM, west / east, monitor port. Passive optical add/drop filtering provides access to selected wavelength channels along a west/east optical line.



2. Key features

- Passive optical operation; no electrical supply required.
- 2 add/drop channels; 100 GHz (0.8 nm).
- West / east / add & drop / monitor.

3. Applications

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

4. Technical data

Parameter	Specification
Service / channel configuration	2 add/drop channels
Transmission topology	Dual fiber OADM
Filter technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	214.5 × 150 × 20 mm
Net weight	0.5 kg
Mounting / enclosure	4-slot 1U rack; 440 × 160 × 44 mm
Rack net weight / front mounting width	3.5 kg / 482 mm

Web ordering channel sets: C21/C22; C23/C24; C25/C26; C27/C28; C29/C30; C31/C32; C33/C34; C35/C36; C37/C38; C39/C40; C41/C42; C43/C44; C45/C46; C47/C48; C49/C50; C51/C52; C53/C54; C55/C56; C57/C58; C59/C60.

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
Wavelength configuration	OADM 2CH DWDM; Cxxyy selected when ordering	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	≤1.2 dB, waves to line	Isolation, adjacent channels	≥30 dB
Link loss	≤1.5 dB, line to line	Isolation, non-adjacent channels	≥45 dB
Return loss	≥45 dB	Insertion loss, monitor port	≤26 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-DMDOA2-LGX01-Cxxyy	2-channel DWDM OADM, west / east, monitor port; LC/UPC; LGX4 plug-in module

