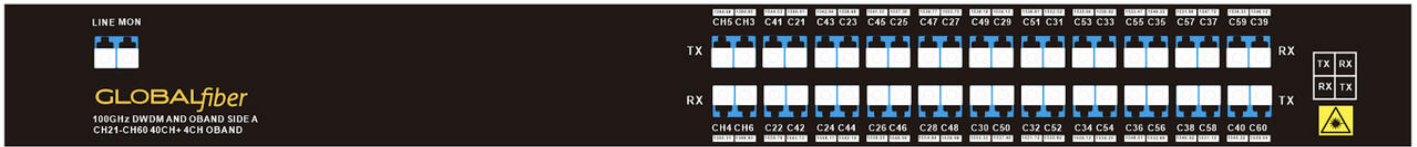


G-DMUX-O4C20-A-MLU

Single-fiber DWDM MUX/DEMUX, C21-C60, side A, O-band

1. Product overview

Single-fiber DWDM MUX/DEMUX, C21-C60, side A, O-band. Passive optical filtering combines and separates wavelength channels for transmission over a single fiber using complementary transmit/receive wavelengths.



2. Key features

- Passive optical operation; no electrical supply required.
- 20 + 2 services / 44 wavelengths; 100 GHz (0.8 nm).
- Line / C-band / O-band / 1% MON.

3. Applications

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

4. Technical data

Parameter	Specification
Service / channel configuration	20 + 2 services / 44 wavelengths
Transmission topology	Single fiber, side A
Filter technology	C-band: AAWG (Gaussian); O-band: TFF
Optical connector	LC
Dimensions	44 × 440 × 230 mm (H × W × D)
Net weight	3.5 kg
Mounting / enclosure	19-inch 1U rack
Front mounting width (drawing)	482 mm

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-5 to +65°C
Storage temperature	-40 to +85°C

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
C-band channels	40 wavelengths, C21-C60	Directivity	≥40 dB
O-band wavelengths	1300.05 / 1302.31 / 1304.58 / 1306.85 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Channel spacing	100 GHz (0.8 nm)	Polarization dependent loss (PDL)	≤0.3 dB
Channel passband	±0.11 nm	Isolation, adjacent channels	≥25 dB
Insertion loss, wavelength ports	≤5.0 dB	Isolation, non-adjacent channels	≥30 dB
Link loss	<10 dB (PDF introduction)	Insertion loss, 1% monitor port	≤26 dB
Center wavelength accuracy	±0.05 nm	Passband ripple	≤0.5 dB
Return loss	≥40 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

The source states a DWDM optical grid. No product-specific safety certification or active-laser classification is specified for this passive device.

9. Ordering information

Product number	Description
G-DMUX-O4C20-A-MLU	Single-fiber DWDM MUX/DEMUX, C21-C60, side A, O-band;19-inch 1U rack

