4-channel bidirectional DWDM MUX/DEMUX, C31-C38, side A

PRODUCT OVERVIEW

4-channel bidirectional DWDM MUX/DEMUX, C31-C38, side A. Passive optical filtering combines and separates wavelength channels for transmission over a single fiber using complementary transmit/receive wavelengths.

KEY FEATURES

- Passive optical operation; no electrical supply required.
- 4 services / 8 wavelengths; 100 GHz.
- Line / 4 service pairs / EXP.

APPLICATIONS

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

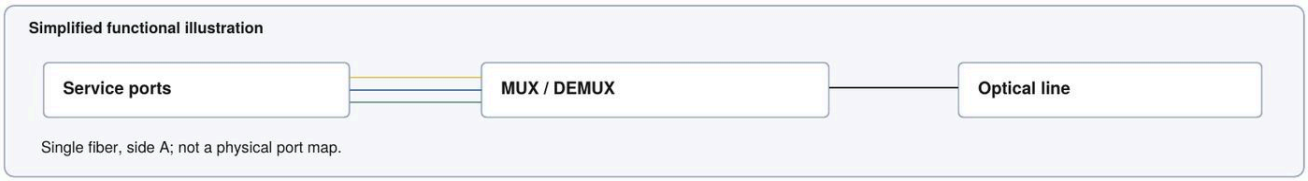
KEY SPECIFICATIONS

Service / channel configuration	4 services / 8 wavelengths
Transmission topology	Single fiber, side A
Filter technology	AAWG DWDM filter
Optical connector	LC/UPC
Connector options in technical info	LC / SC
Fiber type	Single-mode fiber (SMF)
Rack compatibility	LGX4 / 1U

PRODUCT IMAGE



4CH DWDM MUX/ DEMUX Single Fiber Side A



RECOMMENDED OPERATING CONDITIONS

Parameter	Specification
Operating / storage temperature	-40 to +85°C / -40 to +85°C
Relative humidity	5-95%

OPTICAL CHARACTERISTICS

Optical parameter	Specification	Optical parameter	Specification
Channel designation / band	C31-C38 / C-band	Directivity	≥50 dB
Channel spacing	100 GHz	Polarization mode dispersion (PMD)	≤0.2 ps
Channel passband	±0.11 nm	Polarization dependent loss (PDL)	≤0.5 dB
Insertion loss, wavelength ports	≤3.5 dB	Isolation, adjacent channels	≥30 dB
Return loss	≥45 dB	Isolation, non-adjacent channels	≥40 dB

Web channel plan (unverified channel labels)

ITU channel	THz	nm	ITU channel	THz	nm
C31	195.1	~1536.61	C35	195.5	~1533.47
C32	195.2	~1535.82	C36	195.6	~1532.68
C33	195.3	~1535.04	C37	195.7	~1531.90
C34	195.4	~1534.25	C38	195.8	~1531.12

DIGITAL DIAGNOSTICS AND MANAGEMENT

No built-in DDM, management protocol or electrical telemetry is specified for this passive device.

SAFETY AND REGULATORY

The webpage describes a 100 GHz (0.8 nm) DWDM channel grid. Product-specific safety certifications are not specified.

ORDERING INFORMATION

Product number	Description
GF-DM8-LGX01-C3138-A	4-channel bidirectional DWDM MUX/DEMUX, C31-C38, side A; LC/UPC; LGX4 plug-in module

Subject to change without notice. For more information visit globalfiber.no.