40-channel DWDM MUX/DEMUX, C19-C58, low loss, industrial temperature

PRODUCT OVERVIEW

40-channel DWDM MUX/DEMUX, C19-C58, low loss, industrial temperature. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.

KEY FEATURES

- Passive optical operation; no electrical supply required.
- 40 channels, C19-C58; 100 GHz (0.8 nm).
- Line / 40 channel pairs.

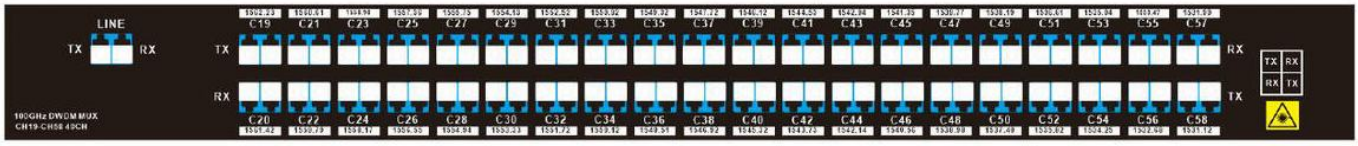
APPLICATIONS

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

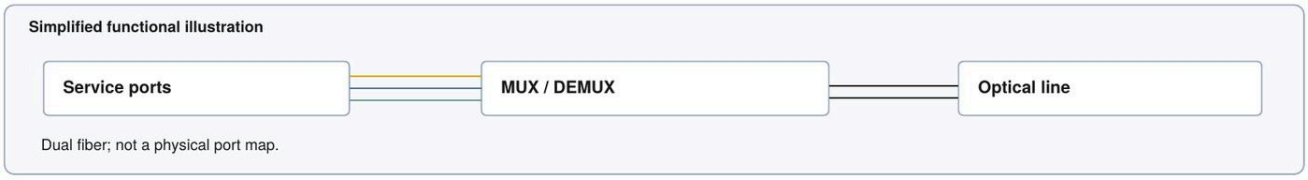
KEY SPECIFICATIONS

Service / channel configuration	40 channels, C19-C58
Transmission topology	Dual fiber
Filter technology	AAWG (Gaussian)
Optical connector	LC/UPC
Dimensions	44 × 440 × 230 mm (H × W × D)
Net weight	3.5 kg
Mounting / enclosure	19-inch 1U rack

PRODUCT IMAGE



40CH DWDM MUX DEMUX



RECOMMENDED OPERATING CONDITIONS

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

OPTICAL CHARACTERISTICS

Optical parameter	Specification	Optical parameter	Specification
Channels / wavelength range	C19-C58 / 1562.23-1531.12 nm	Return loss	≥40 dB
Channel spacing	100 GHz (0.8 nm)	Directivity	≥40 dB
Channel passband	±0.11 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Insertion loss, wavelength ports	≤3 dB; typical 2-2.5 dB	Polarization dependent loss (PDL)	≤0.5 dB
Link loss	≤6 dB	Isolation, adjacent channels	≥25 dB
Center wavelength accuracy	±0.05 nm	Isolation, non-adjacent channels	≥29 dB

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-DMUX-40-1958-ILU	40-channel DWDM MUX/DEMUX, C19-C58, low loss, industrial temperature; LC/UPC; 19-inch 1U rack

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