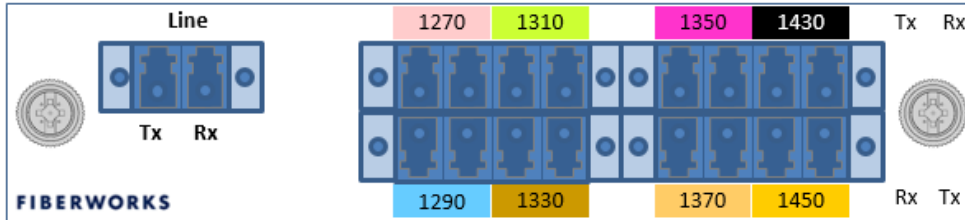


F-CMUX+8-LB2745-LGX3

8-channel low band CWDM mux/demux



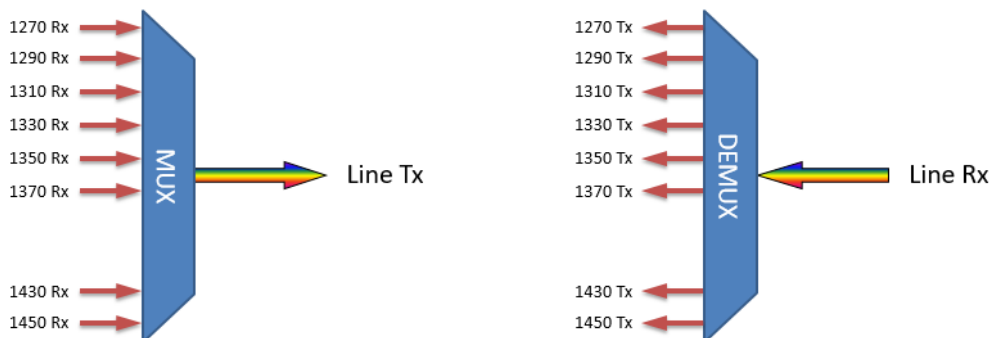
DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers the 8 CWDM channels in the lower 1310 nm band. Together with the F-CMUX-8+1 it creates a 16-channel CWDM system. The color coding helps in the installation process reducing the chance of errors.

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- 8 low band CWDM channels: 1271, 1291, 1311, 1331, 1351, 1371, 1431 and 1451 nm
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- 3 modules fit in 1U in 19" rack og 14 modules in a 3U chassis.
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451
Max insertion loss (module / link)	dB	< 2.4 / < 2.9
Channel Spacing	nm	20
Channel Flatness	dB	< 0.4
Channel Bandwidth	nm	+/- 6.5
Channel Uniformity	dB	< 1.0
Adjacent channel isolation	dB	> 30
Non-adjacent channel isolation	dB	> 40
Directivity	dB	> 55
Return Loss	dB	> 50
PDL	dB	< 0.15
PMD	ps	< 0.1
Wavelength thermal stability	nm/°C	< 0.003
Insertion Loss thermal stability	dB/°C	< 0.005
Power Handling	mW	< 500
Operating temperature	°C	-30 to +70
Storage temperature	°C	-40 to +85
Dimensions (H x W x D)	mm	29 x 130 x 160

Note: Insertion loss values are valid for 0 – 70 °C. For temperatures from 0 to -30 °C add 0.5 dB for module and 1.0 dB for link.

ORDERING INFORMATION

Product number	Description
F-CMUX+8-LB2745-LGX3	Fiberworks 8 ch. CWDM Mux+Demux, LGX3 Low band C27-C37 & C43-C45, LC/UPC