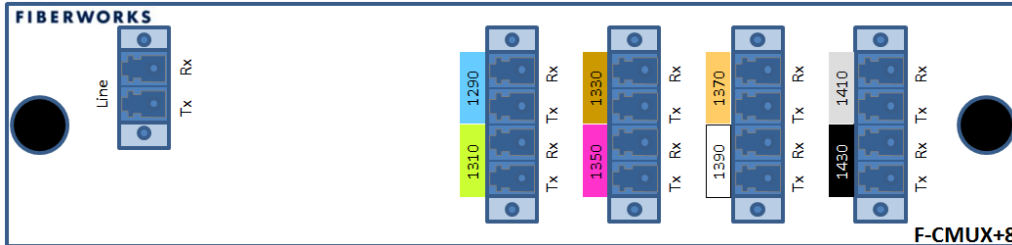


F-CMUX+8

8-channel low band CWDM mux/demux with monitor ports



This illustration shows the front plate layout of the standard Fiberworks form factor. See page 3 for more variants.

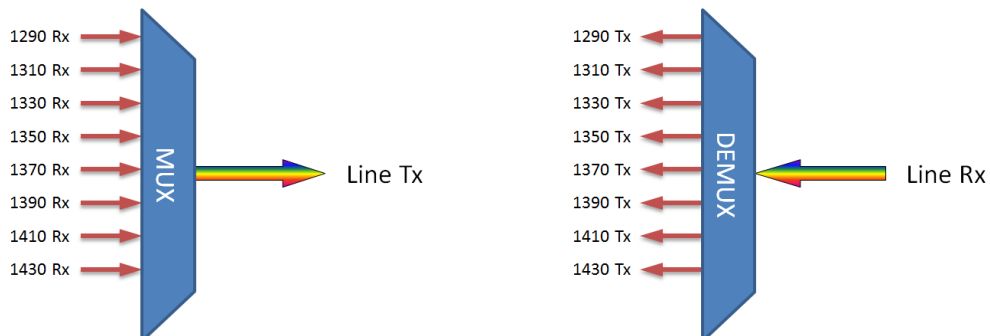
DESCRIPTION

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
- Standard 8-channel CWDM band 1290 – 1430 nm, 20 nm spacing
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- LC/UPC or LC/APC connectors

FUNCTIONAL DESCRIPTION



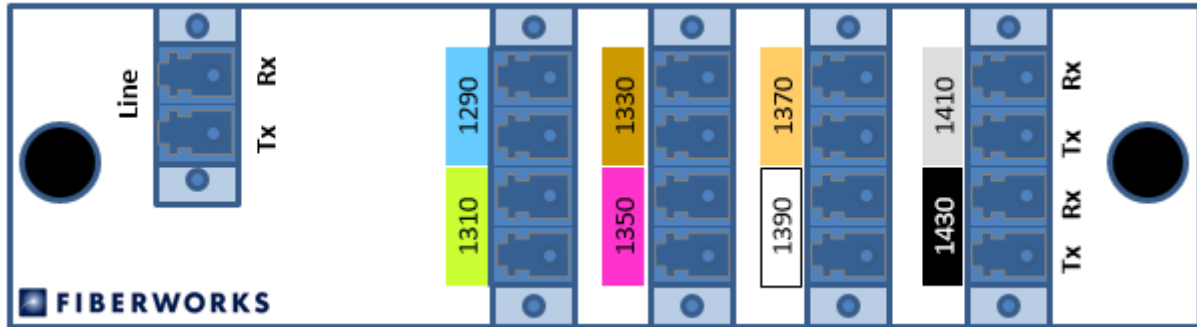
TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1291, 1311, 1331, ... , 1431
Max insertion loss (module / link)	dB	< 2.5 / < 3.5
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	0 to +70
Storage temperature	°C	-40 to +85

ORDERING INFORMATION (FIBERWORKS FORM FACTOR)

Product number	Description	Dimensions H x W x D [mm]
F-CMUX+8-LB2943-LU	Fiberworks 8 ch. CWDM Mux/Demux Low band C29-C43, LC/UPC	43.6 x 183 x 118.5
F-CMUX+8-LB2943-LA	Fiberworks 8 ch. CATV CWDM Mux/Demux Low band C29-C43, LC/APC	43.6 x 183 x 118.5
F-CHASSIS-1U2-19	Fiberworks 19" 1U chassis for two modules, with one blanking plate	

ORDERING INFORMATION (LGX2 FORM FACTOR)



Product number	Description	Dimensions H x W x D [mm]
F-CMUX+8-LB2943-LGX2	Fiberworks 8 ch. CWDM Mux/Demux Low band C29-C43, LC/UPC	130 x 35 x 210
F-CHASSIS-19-LGX2-12	Fiberworks 19" 3U LGX2 chassis for 12 modules, rear access	