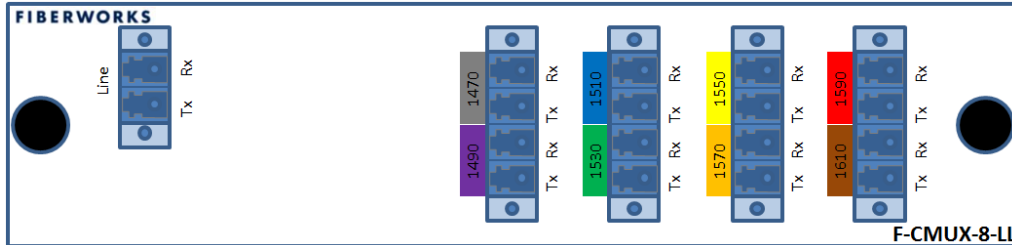


F-CMUX-8-LL

8 channel Low Loss CWDM mux/demux



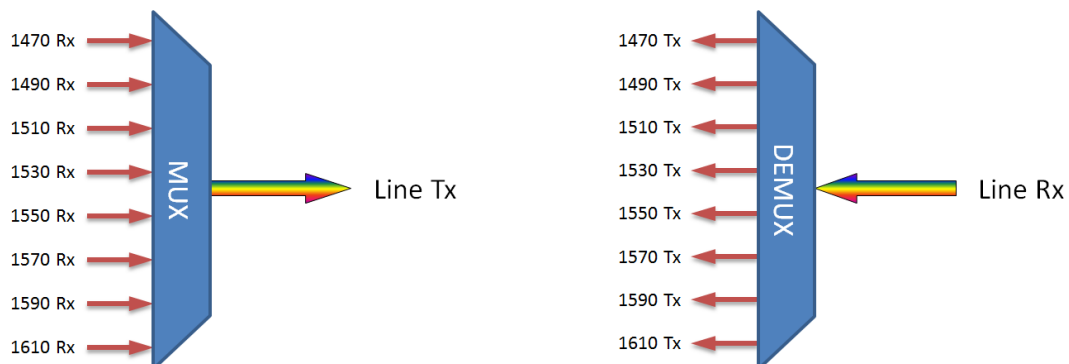
DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers the 8 most common CWDM channels. Its ultra low insertion loss makes it especially suited for 10 Gb/s applications. 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 1490 – 1610 nm, 20 nm spacing
- Ultra low insertion loss
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- Two modules fit in 1U in 19" rack
- LC/UPC or LC/APC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1491, 1511, 1531, ... , 1611
Max insertion loss (module / link)	dB	< 1.3 / < 2.5
Channel Spacing	nm	20
Channel Pass Band	nm	+/- 7.0
Pass Band Ripple	nm	< 0.35
Channel Uniformity	dB	< 1.0
Adjacent channel isolation	dB	> 35
Non-adjacent channel isolation	dB	> 40
Directivity	dB	> 55
Return Loss	dB	> 45
Temperature Dependent Loss	dB	< 0.5
Max Power Handling	mW	300
Operating temperature	°C	-10 to +70
Storage temperature	°C	-40 to +85
Dimensions (H x W x D)	mm	43.6 x 183 x 118.5

ORDERING INFORMATION

Product number	Name	Description
F-CMUX-8-LL-4761-LU	F-CMUX-8-LL	Fiberworks 8 ch. Low Loss CWDM Mux/Demux C47-C61, IL < 1.3 dB, LC/UPC
F-CMUX-8-LL-4761-LA	F-CMUX-8-LL	Fiberworks 8 ch. Low Loss CWDM Mux/Demux C47-C61, IL < 1.3 dB, LC/APC
F-CHASSIS-1U2-19	F-CHASSIS-19	Fiberworks 19" 1U chassis for two modules, with one blanking plate