

# F-CMUX-4+1-2733LL

4 + 1 channel low loss CWDM mux/demux with monitor ports



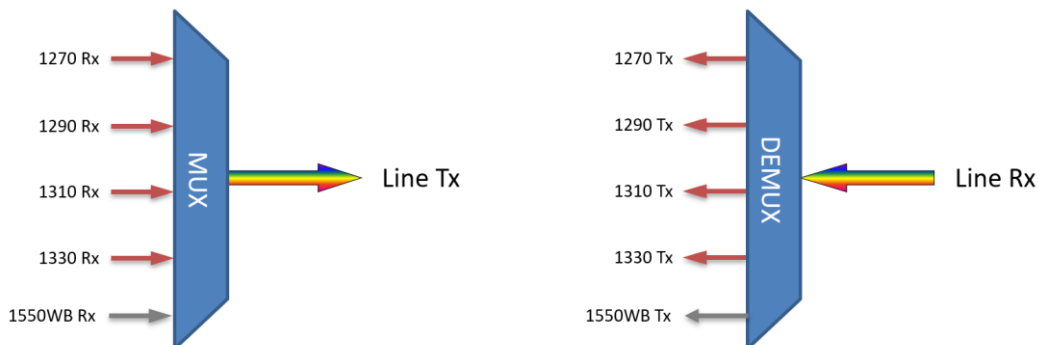
## DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers the 4 lowest CWDM channels (1271 -1331 nm). It has a very low insertion loss in order to maximize the range for 100G applications. Its 1550 nm wideband upgrade port can be used for DWDM or longer-wavelength CWDM channels.

## FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard 4-channel CWDM band 1271 – 1331 nm, 20 nm spacing
- Upgrade port for DWDM or high band CWDM
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 10G, 100G etc.)
- Two modules fit in 1U in 19" rack
- LC/UPC connectors

## FUNCTIONAL DESCRIPTION



**TECHNICAL DATA**

Parameter	Unit	Value
Center Wavelength	nm	1271, 1291, 1311, 1331
Insertion loss	dB	< 1.0 (typical 0.8)
Insertion Loss – 1550 wide band port	dB	< 1.4
Wide Band port pass band	nm	1340 - 1620
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
Wideband port isolation	dB	> 15
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
Dimensions (H x W x D)	mm	43.6 x 183 x 118.5

**ORDERING INFORMATION**

Product number	Description
F-CMUX-4+1-2733LL-LU	Fiberworks 4 ch. CWDM Mux+Demux for 100G 1271-1331 nm low loss + 1550WB, LC/UPC
F-CHASSIS-1U2-19	Fiberworks 19" 1U chassis for two modules, with one blanking plate