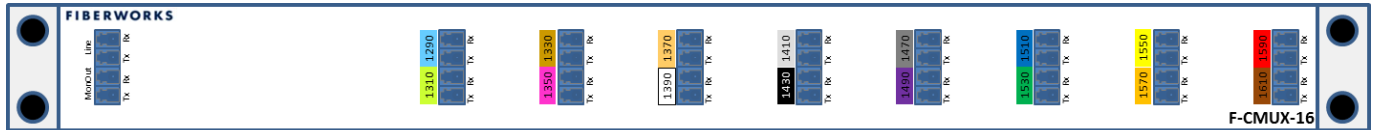


F-CMUX-16

16 channel CWDM mux/demux with monitor ports



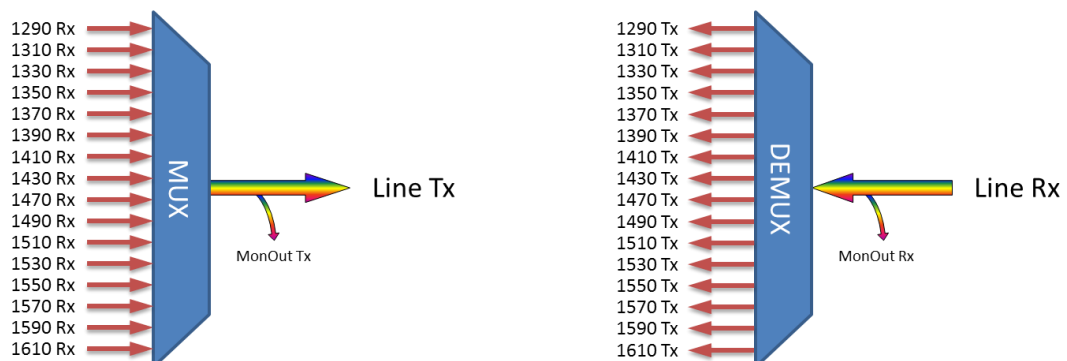
DESCRIPTION

This CWDM multiplexer/demultiplexer covers the 16 most common CWDM channels. Monitor ports ensures easy troubleshooting without downtime and 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 16-channel CWDM bands 1290 nm – 1430 nm and 1490 nm – 1610 nm, 20 nm spacing
- 2% monitoring ports for Tx and Rx
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- Fills 1U in a 19" rack
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Max insertion loss (module / link)	dB	< 3.9 / < 5.7
Monitoring ports power level	dB	$\approx P_{\text{Line port}} - 19 \text{ dB}$
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

Product number	Name	Description
F-CMUX-16-2961-MLU	F-CMUX-16	Fiberworks 16 ch. CWDM Mux/Demux C29-C43 and C47-C61, Monitor ports