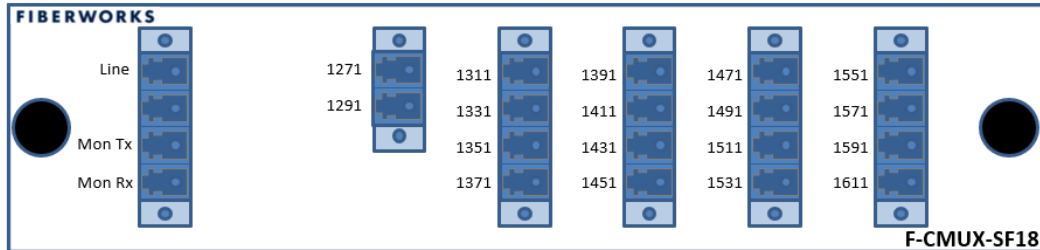


F-CMUX-18

18 channel CWDM mux/demux with monitor ports



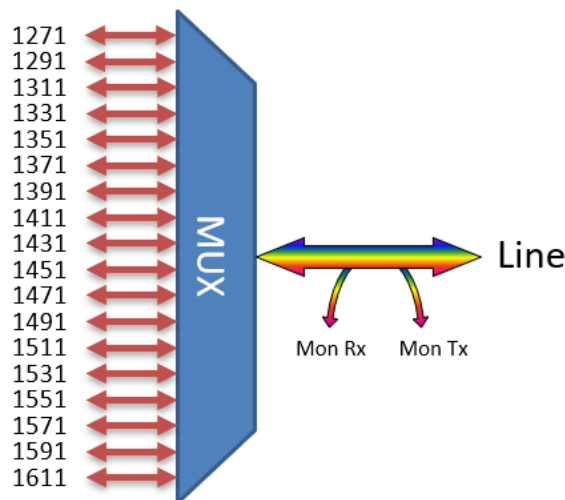
DESCRIPTION

This CWDM multiplexer/demultiplexer covers all 18 CWDM channels. It is to be used on a single line fiber. Monitor ports ensures easy troubleshooting without downtime.

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard 18-channel CWDM band 1270 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.)
- Two modules fit in 1U in a 19" rack
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Insertion loss	dB	< 3.7
Monitoring ports power level	dB	$\approx P_{\text{Line port}} - 17 \text{ dB}$
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
Dimensions (H x W x D)	mm	43.6 x 183 x 118.5

ORDERING INFORMATION

Product number	Description
F-CMUX-SF18-2761-MLU	Fiberworks 18ch. CWDM 1-fiber Mux/Demux Single line fiber, Mon. ports, LC/UPC