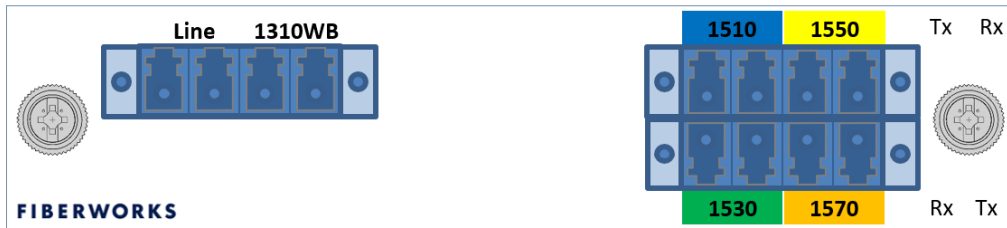


F-CMUX-4+1-5157-LGX3

4 + 1 channel CWDM mux/demux



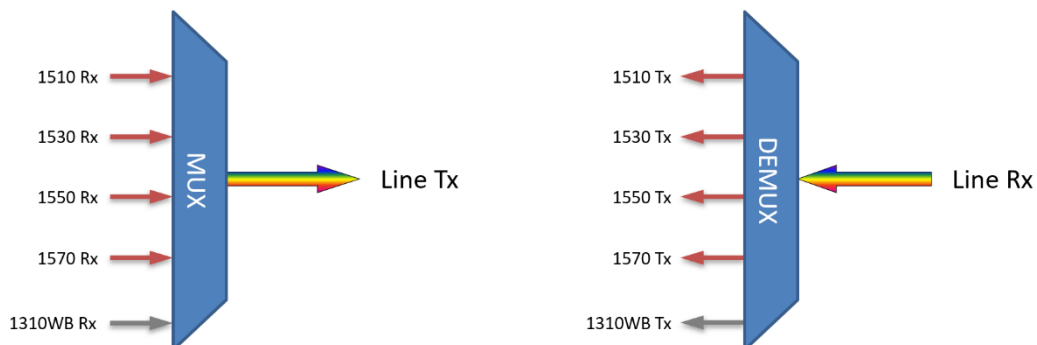
DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers the 4 CWDM channels around 1550 nm. Its 1310 nm wideband port can be used for legacy 1310 nm equipment or up to 8 more CWDM channels in the lower band. 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 4-channel CWDM band 1510 – 1570 nm, 20 nm spacing
- Upgrade port for 1310 nm or lower band CWDM
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- LGX3 form factor - Three modules fit in 1U in 19" chassis or 14 modules in a 3U chassis.
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Center Wavelength	nm	1511, 1531, 1551, 1571
Insertion loss (module / link)	dB	< 2.2 / < 3.0 (see note below)
Insertion Loss – 1310 wide band port (module / link)	dB	< 1.3 / 2.0 (see note below)
Wide Band port pass band	nm	1260 - 1437
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	-30 to +70
Storage temperature	°C	-40 to +85
Dimensions (H x W x D)	mm	29 x 130 x 160

Note: Insertion loss values are valid for 0 – 70 °C. For temperatures from 0 to -30 °C add 0.5 dB for module and 1.0 dB for link

ORDERING INFORMATION

Product number	Description
F-CMUX-4+1-5157-LGX3	Fiberworks 4+1 ch. CWDM Mux/Demux LGX3 C51-C57 + 1310nm/CWDM upgrade