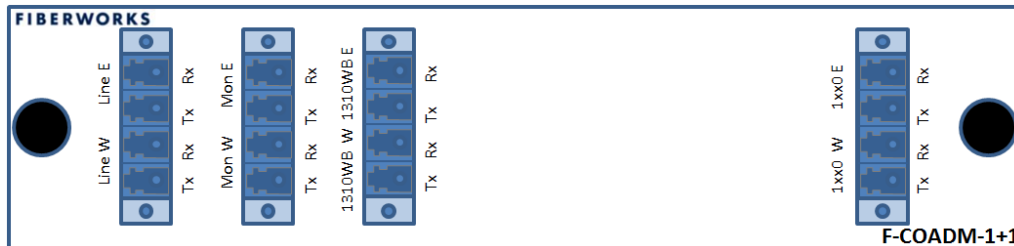


F-COADM-1+1

1 + 1 channel CWDM OADM with monitor ports



DESCRIPTION

This compact CWDM optical add/drop multiplexer (OADM) covers 1 CWDM channel in both the east and west direction. Its 1310 nm wideband port can be used for legacy 1310 nm equipment or up to 8 more CWDM channels in the lower band. 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 1-channel CWDM band, 20 nm spacing
- Upgrade port for 1310 nm or lower band CWDM
- 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 19" rack
- LC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Central wavelength	nm	ITU-T CWDM Grid
Channel space	nm	20
Channel number	nm	1
Bandwidth @ 0.5dB	nm	> 14
Passband	nm	$\lambda \pm 6.5$
Passband flatness	dB	< 0.4
IL(In → Drop @ λ drop)	dB	< 1.6
IL(Add → Out @ λ add)	dB	< 1.9
IL(In → Out @ other λ)	dB	< 3.2
Adjacent isolation	dB	> 30
Non-adjacent isolation	dB	> 40
Isolation(In → Out @ λ drop)	dB	> 30
Wavelength thermal stability	nm/°C	< 0.002
Insertion loss thermal stability	dB/°C	< 0.006
PDL	dB	< 0.15
PMD	ps	< 0.1
Return Loss	dB	> 45
Insertion Loss – 1310 wide band port	dB	< 2.8
Wide Band port pass band	nm	1260 - 1437
Monitoring ports power level	dB	$P_{\text{Line port}} - 17$
Operating temperature	°C	-5 to +65
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-COADM-1+1- xx -MLU	F-COADM-1+1	Fiberworks 1+1 ch. CWDM OADM w/mon.ports C xx + 1310 nm, east/west, LC
F-CHASSIS-1U2-19	F-CHASSIS-19	Fiberworks 19" 1U chassis for two modules, with one blanking plate

xx = 47, 49, 51, 53, 55, 57, 59, 61