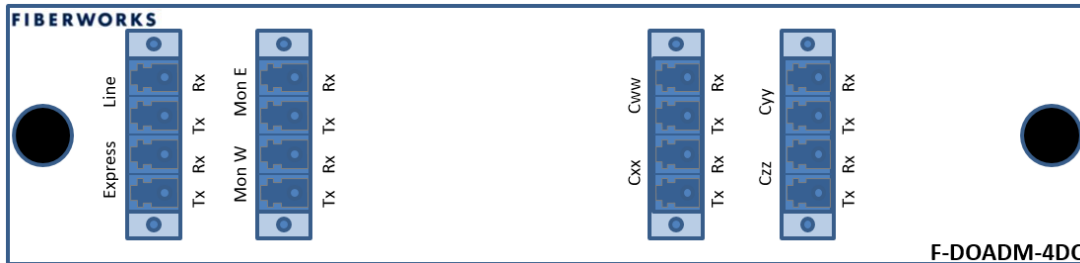


F-DOADM-4DC

4-channel DWDM “drop and continue” OADM with monitor ports



DESCRIPTION

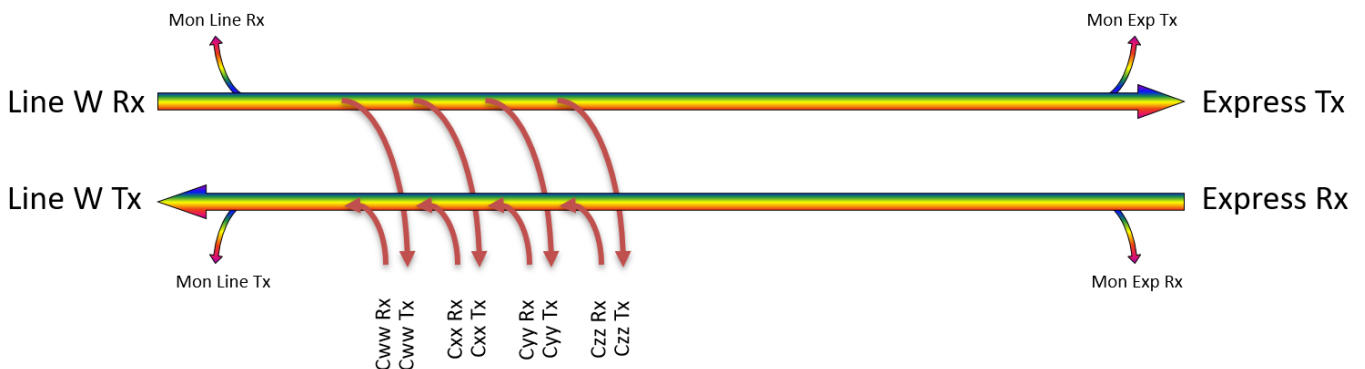
This compact DWDM optical add/drop multiplexer (OADM) covers 4 consecutive DWDM channels in one direction (“drop and continue”).

It can also be used as a DWDM multiplexer with upgrade port. Monitor ports ensures easy troubleshooting without downtime.

FEATURES

- Dense WDM in compliance with ITU-T G.694.1
- 4-channel DWDM OADM with 100 GHz channel spacing
- 1% 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 a 1U 19" chassis
- LC connectors

FUNCTIONAL DESCRIPTION



«ww», «xx», «yy» and «zz» indicate ITU DWDM channel numbers.

Ch. 21 = 192.1 THz = 1560.61 nm

Ch. 22 = 192.2 THz = 1559.79 nm

⋮

Ch. 60 = 196.0 THz = 1529.55 nm

TECHNICAL DATA

Parameter	Unit	Value
Central wavelength	THz	ITU-T DWDM Grid
Channel spacing	GHz	100
Channel count		4
Channel Flatness	dB	< 0.4
Channel Passband (@ - 0.5 dB bandwidth) Min.	nm	0.22
Insertion Loss (IL) add/drop (max/typ.)	dB	1.6 / 1.4
Insertion Loss (IL) passthrough	dB	2.0 / 1.8
Adjacent channel isolation	dB	> 25
Non-adjacent channel isolation	dB	> 35
Isolation(In → Out@ λ drop)	dB	> 25
Wavelength thermal stability	nm/°C	< 0.002
Insertion Loss thermal stability	dB/°C	< 0.005
PDL	dB	< 0.15
PMD	ps	< 0.1
Return Loss	dB	> 45
Monitoring ports power level (approx.)	dB	P _{Line port} - 20
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-DOADM-4DC-MLU-xyxy*)	F-DOADM-4DC	Fiberworks 4 ch. DWDM OADM w/mon.ports, "drop and continue", LC

*) «xx» and «yy» indicates ITU DWDM channel numbers. Possible values for xyxy are:

2124	4144
2528	4548
2932	4952
3336	5356
3740	5760