

F-DOADM-1-O9-Dxxxx

3-port DWDM OADM for splicing



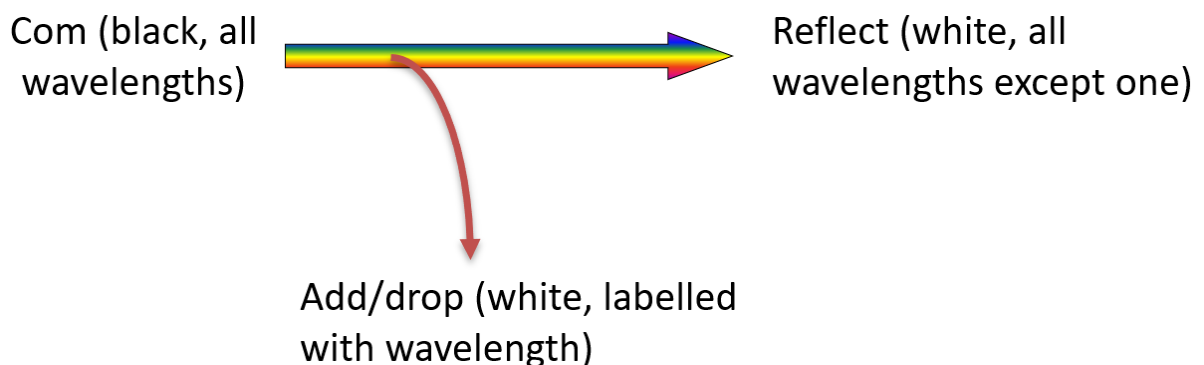
DESCRIPTION

This compact DWDM optical add/drop multiplexer (OADM) adds or drops one 100 GHz DWDM channel from a singlemode fiber. It covers the C-band ITU-T DWDM grid. The compact size is ideal for installation in a splicing enclosure

FEATURES

- Dense WDM in compliance with ITU-T G.694.1
- Standard DWDM C-band, 100 GHz spacing
- 1 channel add or drop
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- 900 µm loose tube pigtailed
- Tested for reliability according to Telcordia GR-1209-CORE/GR-1221-CORE

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Central wavelength	THz	191.7 – 196.1
Channel space	GHz	100 GHz
Channel Passband (@-0.5dB bandwidth)	nm	> 0.3
Bandwidth @ 0.5dB	nm	> 0.3
IL (Com ↔ Add/Drop)	dB	< 1.0
IL (Com → Reflect)	dB	< 0.6
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	< 0.005
PDL	dB	< 0.1
PMD	ps	< 0.1
Return Loss	dB	> 45
Directivity	dB	> 50
Maximum power handling	mW	300
Operating temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85
Dimensions (L x Ø)	mm	38 x 5.5

Note: Insertion loss values are valid for 0 – 70 °C. For temperatures from 0 to -40 °C add 0.3 dB.

ORDERING INFORMATION

Product number	Name	Description
F-DOADM-1-09-Dxxxx	F-DOADM-1	Fiberworks 1 ch. DWDM OADM 100 Ghz, 3-port filter for splicing, 900 μm

xxxx = 9170, 9180, 9190, 9200, , 9590, 9600, 9610