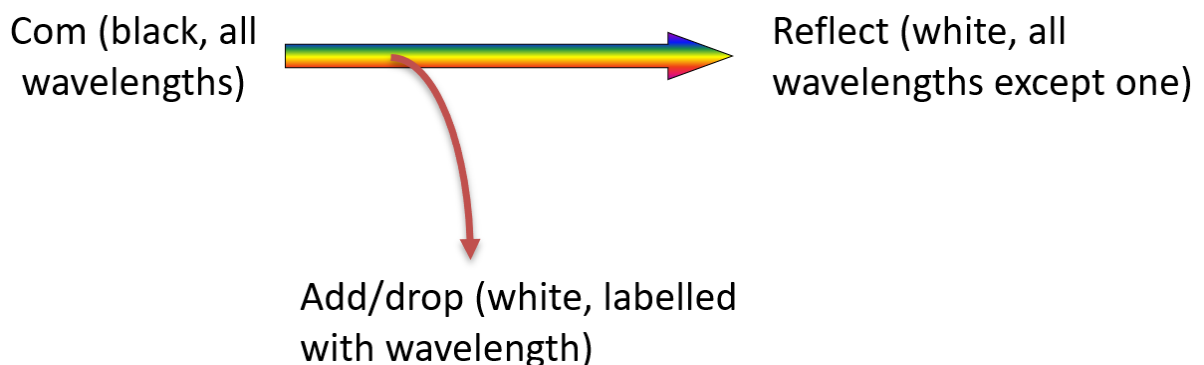# F-COADM-1-xx-O9
3-port CWDM OADM for splicing

DESCRIPTION

This compact CWDM optical add/drop multiplexer (OADM) adds or drops 1 CWDM channel from a singlemode fiber. It covers any of the 18 channels in the standard ITU-T CWDM grid. The compact size is ideal for installation in a splicing enclosure

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard CWDM band, 20 nm 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 pigtails
- Tested for reliability according to Telcordia GR-1209-CORE/GR-1221-CORE

FUNCTIONAL DESCRIPTION

Com (black, all wavelengths)

Reflect (white, all wavelengths except one)

Add/drop (white, labelled with wavelength)

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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	λ ± 6.5
Passband flatness	dB	< 0.4
IL(In → Drop @ λ drop)	dB	< 1.0
IL(Add → Out @ λ add)	dB	< 1.0
IL(In → Out @ other λ)	dB	< 1.0
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
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-COADM-1-xx-O9	F-COADM-1	Fiberworks 1 ch. CWDM OADM 3-port filter for splicing, 900 µm

xx = 27, 29, 31, 33, 35, 37,39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61

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