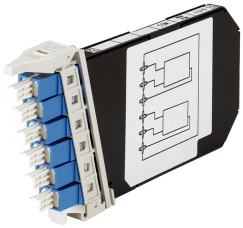
NGF-FMT-WDM-MODULES

Base Product



FMT/NGF MicroVAM Fiber Optic xWDM Modules

CommScope's Value-Added Module (VAM) system adds flexibility and functionality to the optical transport system by enabling service providers to easily incorporate optical components into the network. This versatile platform lays the foundation for the optical network of the future.

CommScope's VAM Modules feature:

- Enclosed Plug-in modules protect the optical components from physical and environmental damage
- Angled retainers maintain minimum bend radius of fiber patch cords
- Pluggable modules can be added or removed from the chassis without interfering with existing terminated patch cords
- Flexible platform: modules can be created for new applications quickly and easily to meet customer requirements
- Custom configurations are available upon request

The NGF VAM WDM system consists of a variety of optical component modules that fit into the NGF ODF VAM blocks and FMT fiber panels.

WDM applications include:

- Wavelength Division Multiplexing Increase capacity without deploying additional fiber
- CWDM Applications Increase bandwidth by transmitting multiple wavelengths simultaneously
- DWDM Applications Further increase bandwidth and capacity using closely spaced wavelengths in the ITU grid

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Portfolio	CommScope®
Product Type	CWDM module | DWDM module | WDM module
Product Series	NGF

General Specifications

Device Type	Micro VAM
Functionality	Demultiplexing | Multiplexing
Application	For use with FMT panels | For use with NGF frames
Interface, Input	LC/APC | LC/UPC | SC/APC | SC/UPC
Interface, Output	LC/APC | LC/UPC | SC/APC | SC/UPC

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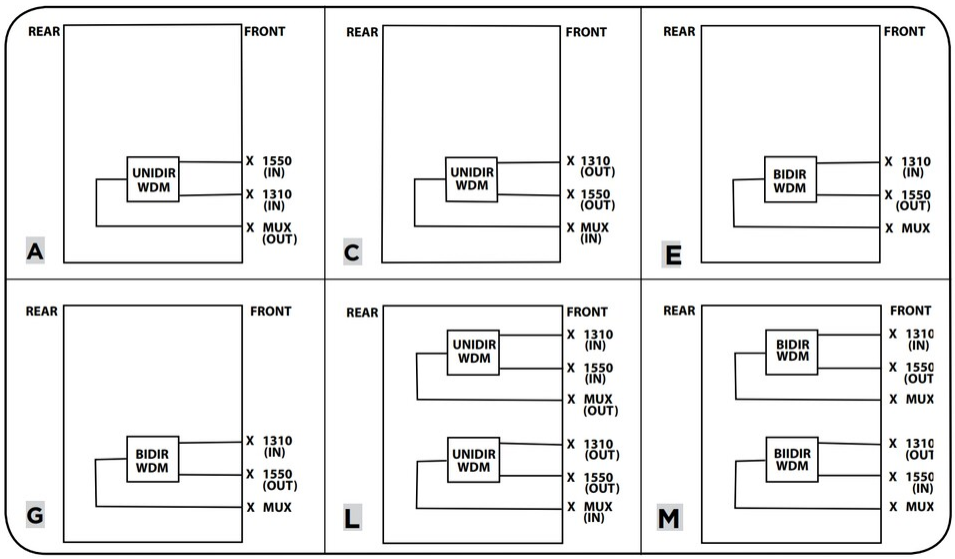
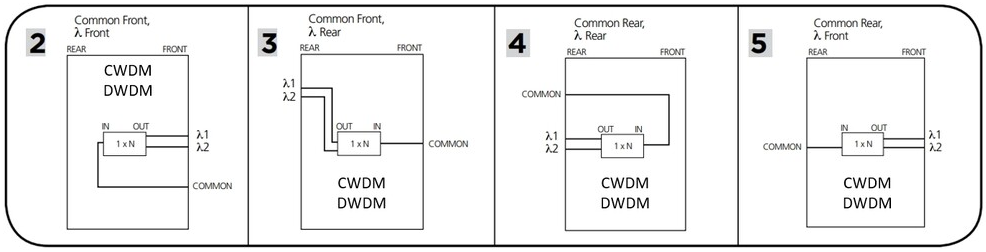
Port Configuration





Ordering Tree

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NGF-FMT-WDM-MODULES

FMT-MW	Module for FMT, NGF MicroVAM chassis
MXM-W	Module for OMX600 high-density VAM chassis

Catalog Number

2 _ _ _ _ _ _ 0 0

λ Port Pigtail Length
Common Port Pigtail Length

0 = Adapters only on input and output ports

WDM Module Options

2	Common front, λ front

Common Port Connector/Adapter

7U	SC/UPC
7A	SC/APC
KU	LC/UPC
KA	LC/APC
00	Bare fiber

Wavelength

A	1310 (λ_1)/1550 (λ_2)
D	1550 (λ_1)/1625 (λ_2)
F	1310 (λ_1)/1625 (λ_2)

Isolation

1	Standard -15 dB
2	High -30 dB
3	Very High -45 dB

λ Port Connector/Adapter

7U	SC/UPC
7A	SC/APC
KU	LC/UPC
KA	LC/APC
00	Bare fiber

Module Configuration[1,2]

A	Single circuit
B	Dual circuit

WDM Component Types (λ_1:λ_2)[3]

A	Unidirectional multiplexer
C	Unidirectional demultiplexer
E	Bidirectional λ_1 Tx/ λ_2 Rx
G	Bidirectional λ_2 Tx/ λ_1 Rx
J	45 dB isolation, pass 1310
K	45 dB isolation, pass 1550
L	(Dual only) unidirectional multiplexer, unidirectional multiplexer[3]
M	(Dual only) bidirectional λ_1 Tx/ λ_2 Rx, bidirectional λ_2 Tx/ λ_1 Rx

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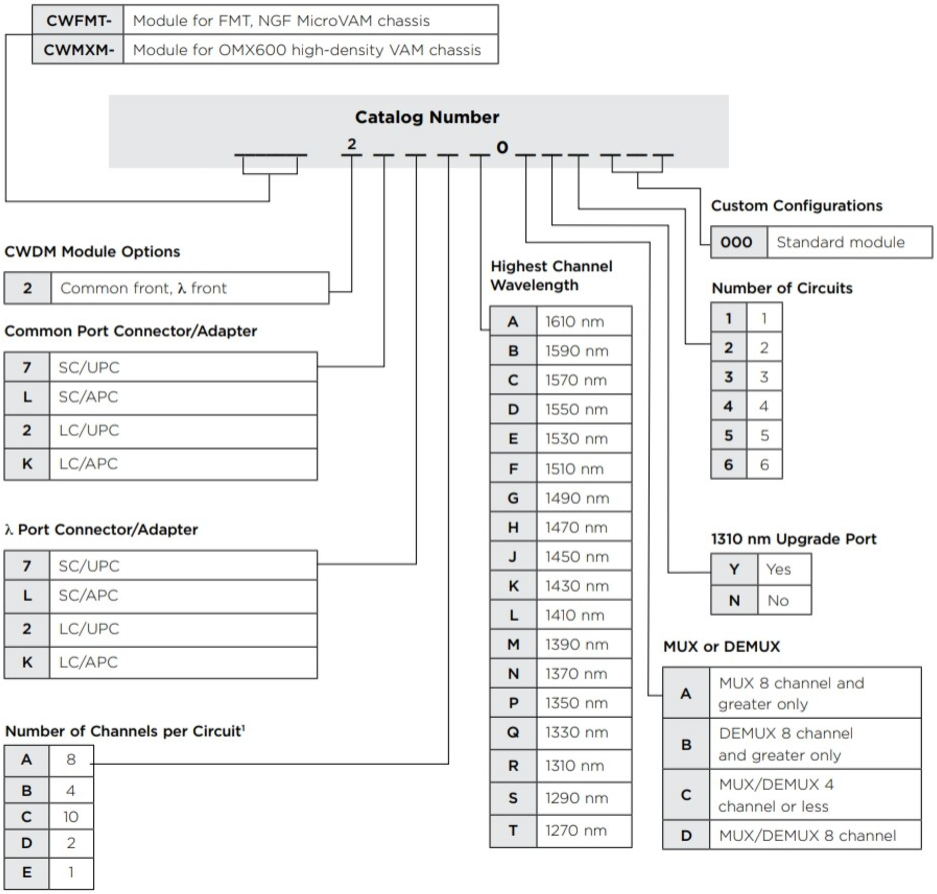

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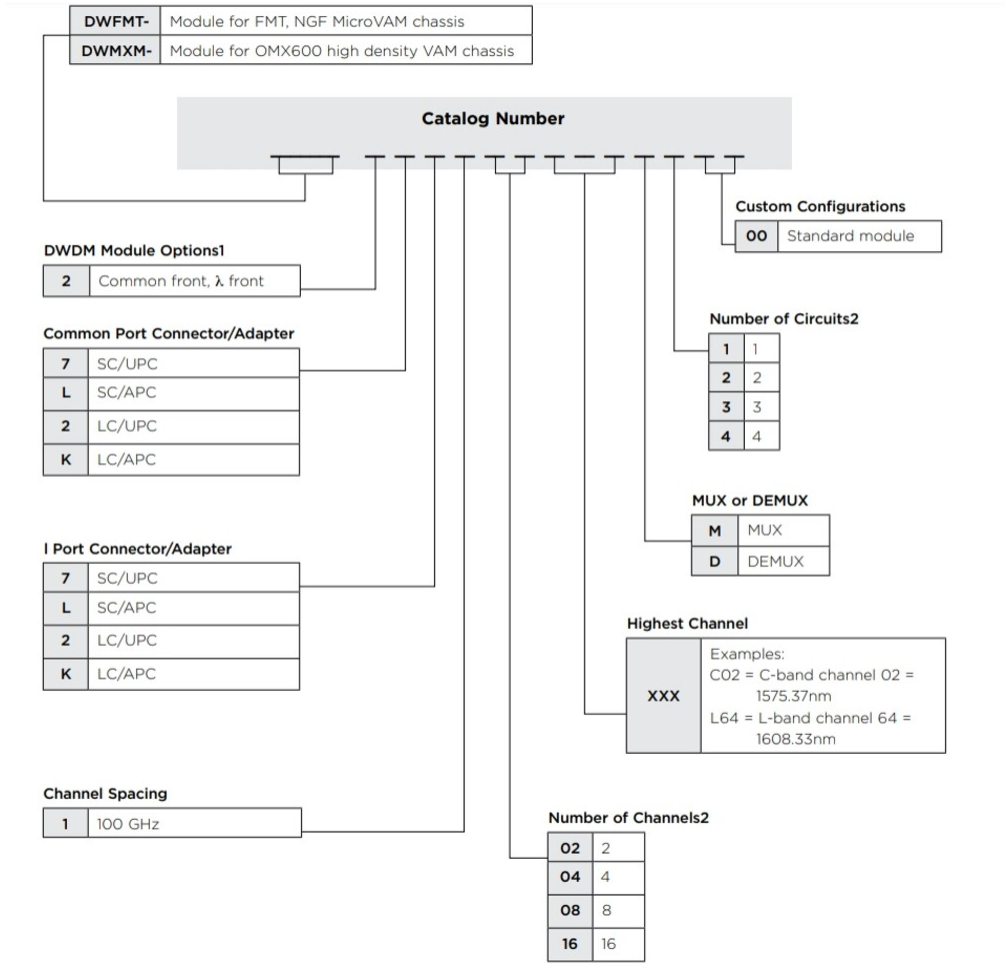

Environmental Specifications

Environmental Space Indoor

Packaging and Weights

Packaging quantity 1

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