

iVAM DWDM Module

*Adding Value and Intelligence to
the Network .*

Product Features:

- 2 to 40 channels
- 50, 100, and 200 GHz spacing
- Exceptional reliability and temperature stability
- Low insertion loss
- Low polarization dependent loss (PDL)
- Removable angled adaptors
- Modular design
- Remote access available

ALCON TECHNOLOGIES

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The intelligent Value Added Modules equipped with DWDMs (Dense Wave Division Multiplexers) cost effectively combine multiple wavelengths into one single fiber to dramatically increase the transmission capacity of the fiber. The iVAM DWDM modules are used in long haul, metro, and access applications.

The iVAM DWDM modules are manufactured using proven thin-film technology offering low insertion loss, high isolation, exceptional temperature stability, all in an industry-leading package.

The DWDM modules are available with channel spacings of 200, 100, and 50 GHz, and in various channels counts, including 4, 8, 16, 20, 32, and 40. Modules are easily customizable to meet customer requirements.

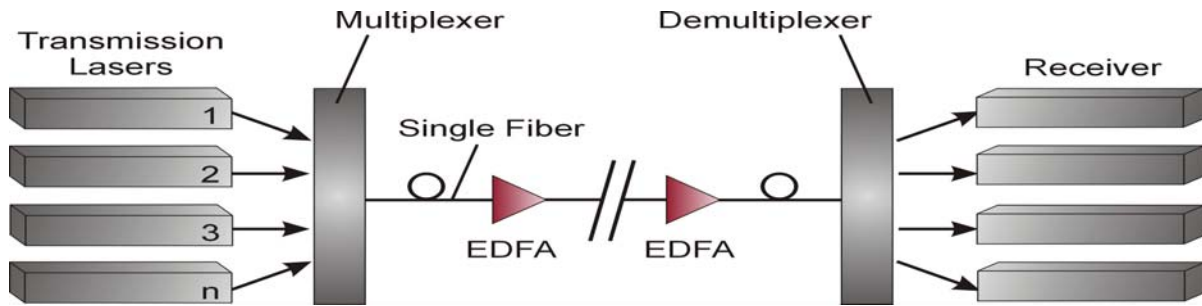
The adaptors on the iVAM DWDM modules exit at a 45 degree angle for improved cable management, maintaining minimum fiber bend radius to prevent fiber macro bends. The removable adaptors allow easy access to the internal connectors for cleaning.

The iVAM DWDM is an optically passive module. The remote access feature allows the user to identify the chassis configuration, DWDM type, catalog number, and other pertinent information.





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SPECIFICATIONS

Parameters	4 Ch	8 Ch	16 Ch
Wavelength range	C or L band ITU channels		
Channel passband	+/- 11 nm for 100 GHz and +/- 25 nm for 200 GHz Min.		
Passband ripple	0.5 dB Max.		
Insertion loss *	3.0 Max.	4.0 Max.	5.0 Max.
Isolation (adjacent channel)	25 dB Min.		
Isolation (non-adjacent channel)	40 dB Min.		
Polarization dependent loss	0.2 dB Max.		
Polarization mode dispersion	0.15 dB Max.		
Return Loss *	45dB Min.		
Directivity	50dB Min.		
Power handling	300 mW		
Operating Temperature	0°C to 65°C		
Storage Temperature	-40°C to 85°C		

* Includes Connector Losses



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