

FSX Series

iVAM 1310-1550/1625 WDM

Adding value and intelligence to the network.

The iVAM WDM (wavelength-division multiplexer) module enables non-intrusive testing of any fiber path on a Remote Fiber Test System. This capability is ideal for testing active fibers in service.

The WDM uses optical filter technology to multiplex a 1625 nm OTDR test signal onto the active fiber. At the opposite end of the fiber, a bandpass filter blocks the test signal before it reaches the receiver, so that the signal's bit error rate (BER) is not affected.

The WDM module is also available in a bypass configuration for testing optically amplified networks.

The adaptors 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 WDM Module is an optically passive module. The remote access feature allows the user to identify the chassis configuration, as well as module splitter type, catalog number, etc.



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Major Features

- Thin-Film Filter Technology
- Low Insertion Loss
- High Reliability
- Removable angled adaptors
- Modular design
- Remote access available

Part Numbers

Part Number	Description
IVAM-W2AG-SC	2 WDMs; SC Connectors; 1310-1550/1625 nm
VAM-W2FG-SC	2 WDM Filters; SC Connectors; 1310-1550/1625 nm
IVAM-W4AG-SC	4 WDMs; SC Connectors; 1310-1550/1625 nm
IVAM-W4FG-SC	4 WDM Filters; SC Connectors; 1310-1550/1625 nm
IVAM-W8AG-SC	8 WDMs; SC Connectors; 1310-1550/1625 nm
IVAM-W8FG-SC	8 WDM Filters; SC Connectors; 1310-1550/1625 nm

Specification

Parameter	Condition	Min	Max	Unit
Wavelength Range	Low (1310nm)	1295	1325	nm
Wavelength Range	Low (1550nm)	1480	1570	nm
Wavelength Range	High (1625nm)	1610	1640	nm
Storage Temperature		-40	70	°C
Operating Temperature		0	50	°C
Operating Humidity		95%RH from 0-40°C		
Optical Power		N/A	250	mW
Polarization Dependent Loss		N/A	0.2	dB
Polarization Mode Dispersion		N/A	0.1	ps
Insertion Loss L-C *	1295~1325nm 1480~1570nm	N/A	1.0	dB
Insertion Loss H-C *	1610~1640nm	N/A	1.0	dB
Isolation C-H	1295~1325nm 1480~1570nm	40	N/A	dB
Isolation C-L	1610~1640nm	50	N/A	dB
Directivity L-H	All wavelengths	50	N/A	dB
Return Loss	All ports, all wavelengths	45	N/A	dB

* Note: All specifications referenced without connectors. For connectors add 0.2 dB max. of IL per connector (0.3 dB max. for APC connectors).



North America
Corporate Headquarters
15550 Lightwave Drive
Clearwater, FL 33760, USA
Toll free: +1.877.442.DIGL
T: +1.727.442.6677
F: +1.727.442.5660

Europe/Middle East/Africa
Intl. Expansion Headquarters
Jebel Ali Free Zone
P.O. Box 261126
Dubai, U.A.E.
T: +971.4.3606013
F: +971.4.3606014

Asia/Pacific Rim
Asian Expansion Headquarters
10 Anson Road, #21-02
International Plaza
Singapore 079903
T: +65.9002.8093
F: +65.6729.3031

China
Expansion Office
Rm. 308A, Twr. B, He Qiao Bldg.
Guanghua Rd., Chao Yang Dist.
Beijing, China 100026
T: +8610.65815317
F: +8610.65815327

Latin America/Caribbean
Expansion Office
Saratoga 214, Col. Portales
Mexico City, DF
Mexico
T: +52.55.1353.4741
F: +1.727.442.5660