

Features:

- Low Optical Insertion Loss
- Cost-effective CWDM technology
- Adds/drops four Wavelengths
- Monitor Port available
- Dual LC connectors for interfacing
- Color Coded for ease of installation
- Reliable passive WDM optical technology
- Scales easily for ring networks
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- Compliance with RoHS

CWDM OADM-4 w/TAP Plug-in Module

The Finisar OADM-4 w/TAP plug-in module is a passive optical add/drop multiplexer designed for metro access applications that represents the state of the art in fiber optics design. The OADM-4 w/TAP plug-in module adds/drops one CWDM channel of four wavelengths from network traffic and passes the other channels. These four - channel OADMs are transparent to the 1310nm wavelength. These OADM modules are equipped with monitor port that allows our customer connect optical meter or OSA to monitor and troubleshoot the network. Finisar's unique CWDM design maps the channel into separate two-fiber paths, going in opposite directions into the network (East/West).

Added/dropped channels are interfaced to any of Finisar's CWDM transceivers on the equipment side. A grid of eight CWDM wavelengths is available from Finisar. The OADM-4 w/TAP plug-in module plugs into one half of a 1RU, 19" rack mount chassis for simple installation and modularity. This Chassis based system allows a network equipment manufacturer to add WDM capability to any existing network device that supports SFP interfaces.

The equipment ports of the OADM-4 w/TAP plug-in module are color coded to match the wavelength of Finisar's CWDM transceiver. This allows ease of installation and trouble shooting without having to remove the transceiver from the local equipment. The OADM-4 w/TAP plug-in module delivers dramatic cost savings to network equipment manufacturers, enabling them to develop metro access systems that are lower in cost, easier to provision and simpler to operate.

OADM-4 w/TAP Plug-in Module

Specifications

Mechanical

Dimensions:
8.3" x 1.7" x 10.4",
210mm x 43mm x 264mm,
plug-in for 1RU rack-mount

Connectors:
• Network side: 2 dual LC/PC
• Equipment side: 4 dual LC/PC
• Monitor side: 2 dual LC/PC

Optical

Center wavelengths:
(2 versions):

OADM-W/TAP-4B-1 Plug-in
• 1471 nm
• 1491 nm
• 1511 nm
• 1531 nm

OADM-W/TAP-4B-2 Plug-in
• 1551 nm
• 1571 nm
• 1591 nm
• 1611 nm

All versions is transparent at 1260-1360 nm

Directivity:

≥ 50 dB

Return Loss:

≥ 45 dB

Passband Ripple:

≤ 0.5dB

PDL:

≤ 0.2dB

PMD:

≤ 0.2ps

Environmental:

• Operating -5 to 70°C
• Relative humidity:
10 to 85%
Non-condensing
• Storage -40 to 85°C

Finisar

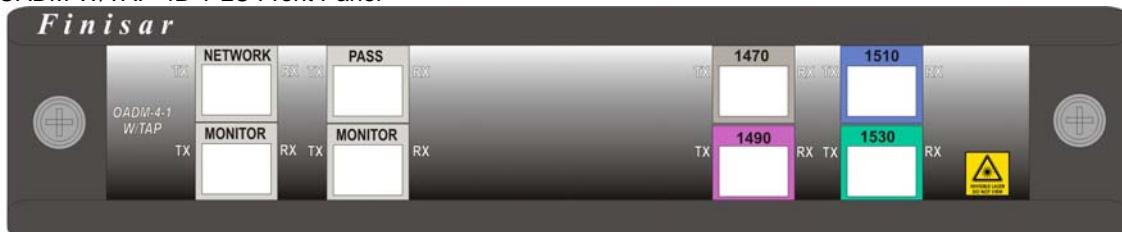
OADM-4 W/TAP Plug-in Module Parameter Specifications

Passband	Max Insertion Loss (dB)				Min Isolation (dB)			Max Insertion Loss(dB) (Monitor Port)
	Add	Drop	Pass (1550)	Pass (1310)	Add	Drop	Pass	
Center wavelength +/- 6.5 nm	1.8	1.8	2.1	2.1	30	30	15	23

Note: Connector loss included.

Front Panel

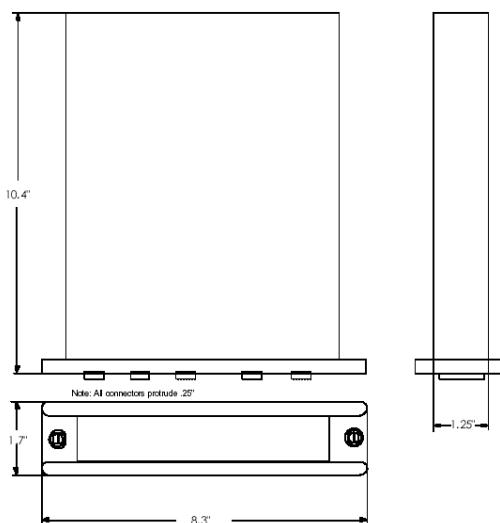
FWSF-OADM-W/TAP-4B-1-LC Front Panel



FWSF-OADM-W/TAP-4B-2-LC Front Panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

FWSF-OADM-W/TAP-4B-1-LC 4 Wavelengths Add/Drop MUX (1471, 1491, 1511, 1531) with TAP port Plug-in Module for FWSF-CHASSIS-2, LC connectors

FWSF-OADM-W/TAP-4B-2-LC 4 Wavelengths Add/Drop MUX (1551, 1571, 1591, 16131) with TAP port Plug-in Module for FWSF-CHASSIS-2, LC connectors