

Features:

- Low Optical Insertion Loss
- Cost-effective CWDM technology
- Mux/DeMux eight 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 MUX/DEMUX-8 w/TAP Plug-in Module

The Finisar MUX/DEMUX-w/TAP-8 plug-in module is a passive optical multiplexer/demultiplexer designed for metro access applications that represents the state of the art in fiber optics design. The MUX/DEMUX -w/TAP-8 plug-in module multiplexes and demultiplexes eight CWDM wavelength channels from a two-fiber circuit. This Mux/DeMux module is equipped with monitor port that allows our customer connect optical meter or OSA to monitor and troubleshoot the network. Finisar's design allows the creation of cost-effective unidirectional network traffic rings or point-to-point links.

Multiplexed wavelengths are interfaced to any of Finisar's CWDM transceivers on the equipment side. A grid of eight CWDM wavelengths is available from Finisar. The MUX/DEMUX x-w/TAP-8 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.

Each equipment port of the MUX/DEMUX -w/TAP-8 plug-in module is color coded to match the wavelength of Finisar's CWDM transceiver. This allows ease of installation and troubleshooting without having to remove the transceiver from the local equipment.

The Finisar MUX/DEMUX 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.

MUX/DEMUX-8 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: 1 dual LC/PC
- Equipment side: 8 dual LC/PC
- Monitor side: 1 dual LC/PC

Optical

Center wavelengths:

MUX/DEMUX-8 w/TAP Plug-in

- 1471 nm
- 1491 nm
- 1511 nm
- 1531 nm
- 1551 nm
- 1571 nm
- 1591 nm
- 1611 nm

Directivity:

≥ 50 dB

Return Loss:

≥ 45 dB

Passband Ripple:

≤ 0.5dB

PDL:

≤ 0.2dB

PMD:

≤ 0.2ps

Environmental:

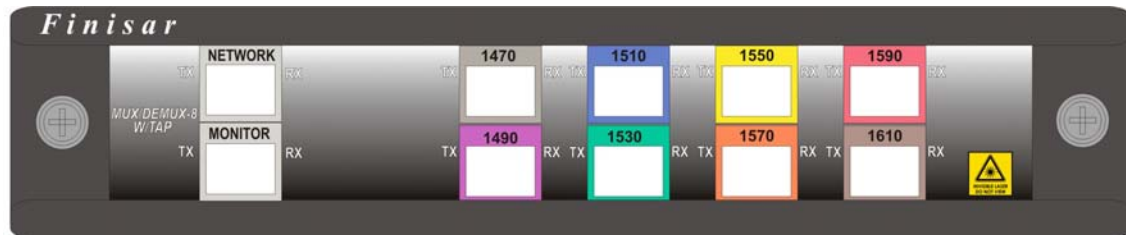
- Operating -5 to 70°C
- Relative humidity:
10 to 85%
Non-condensing
- Storage - 40 to 85°C

MUX/DEMUX-8 w/TAP Plug-in Module Parameter Specifications

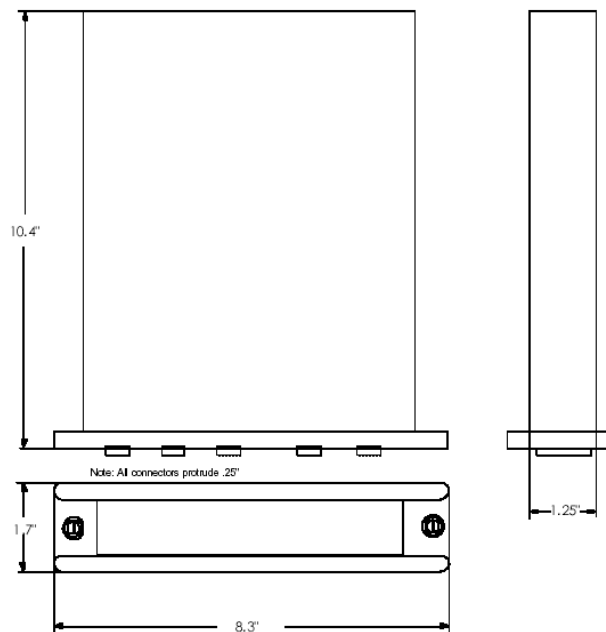
Passband	Max Insertion Loss (dB)		Min Isolation (dB)		Max Insertion Loss(dB) (Monitor Port)
	Mux	Demux	Mux	Demux	Mux or Demux
Center Wavelength +/- 6.5 nm	2.2	2.2	30	30	23

Note: Connector loss included.

Front Panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

FWSF-M/D-W/TAP-8-LC 8 Wavelengths MUX/DEMUX with TAP port Plug-in Module for FWSF-CHASSIS-2, LC connectors