

Features:

- Low optical insertion loss
- Cost-effective CWDM technology
- Mux/DeMux eight wavelengths
- Monitor port available
- Dual LC connectors
- Color coded for easy installation
- Reliable passive WDM technology
- Scales easily for ring networks
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- RoHS compliant

CWDM MUX/DEMUX-8 w/TAP Plug-in Module



CWDM-8 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 MUX/DEMUX module adds and drops eight CWDM wavelengths channels from network traffic and passes the other channels. The module also includes a monitor port to provide customers capability to monitor and troubleshoot networks. Finisar's unique CWDM design maps the channels into two-fiber paths, going in opposite directions into a network (east/west).

Added/dropped channels can be connected to any of Finisar's CWDM transceivers on the equipment side. A grid of eight CWDM wavelengths is available from Finisar. The CWDM 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 CWDM capability to any existing networks with simple pluggable interface.

The equipment ports of the MUX/DEMUX plug-in module are color coded to match the wavelength of Finisar's CWDM transceiver to simplify installation and troubleshooting without having to remove the transceivers from the local equipment. This MUX/DEMUX 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:

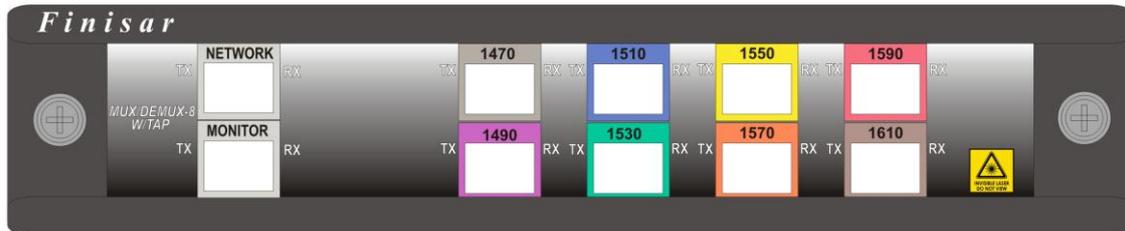
- Operating -5 to 70°C
- Relative humidity:
10 to 85%
Non-condensing
- Storage - 40 to 85°C

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

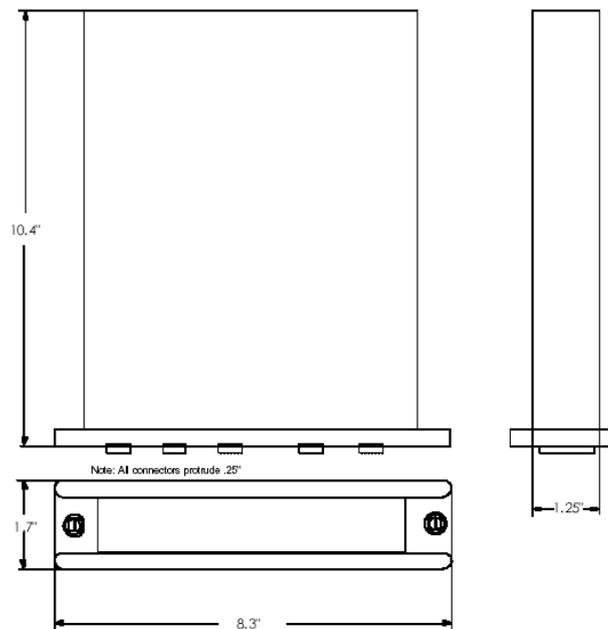
Passband	Max Insertion Loss (dB)		Min Isolation (dB)		Max Insertion Loss(dB) (Monitor Port)
	Mux	Demux	Mux	Demux	Mux or Demux
Center Wavelength +/- 6.5 nm	2.2	2.2	30	30	23

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

Mouser Electronics

Authorized Distributor

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Finisar:

[FWSF-M/D-W/TAP-8-LC](#)