

Features:

- Low Optical Insertion Loss
- Cost-effective WDM technology
- Terminates 1310 and CWDM Grid wavelengths
- Dual SC or LC connectors for interfacing
- Compatible with CWDM MUX/DEMUX Family
- Reliable passive WDM optical technology
- Ring or point-to-point applications
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- Compliance with RoHS

1310/CWDM MUX/DEMUX Plug-in Module



The Finisar 1310/CWDM MUX/DEMUX plug-in module is a passive optical multiplexer/demultiplexer designed for metro access applications. The 1310/CWDM MUX/DEMUX plug-in module multiplexes and demultiplexes a single 1310nm wavelength and the complete CWDM wavelength grid from a two-fiber circuit. 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. The CWDM port covers the entire grid of eight CWDM wavelengths.

The 1310/CWDM MUX/DEMUX 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 GBIC and SFP interfaces.

The Finisar MUX/DEMUX 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. The 1310/CWDM MUX/DEMUX plug-in module is the perfect choice for adding more bandwidth and services to existing SONET/SDH networks.

1310/CWDM MUX/DEMUX 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 SC/PC or LC/PC
- Equipment side: 2 dual SC/PC or LC/PC

Optical

Wavelengths Ports:

MUX/DEMUX-1310/CWDM Plug-in

- 1310nm
- 1464.5nm to 1617.5 nm

Directivity:

≥ 55dB

Return Loss:

≥ 45dB

PDL:

≤ 0.15dB

PMD:

≤ 0.2ps

Environmental:

- Operating 0 to 70°C
- Relative humidity: 10 to 85%, non-condensing
- Storage - 40 to 85°C

1310/CWDM MUX/DEMUX Plug-in Module Parameter Specifications

1310 Port

Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
	Mux	Demux	Mux	Demux
1260nm-1360nm	1.10	1.10	45	45

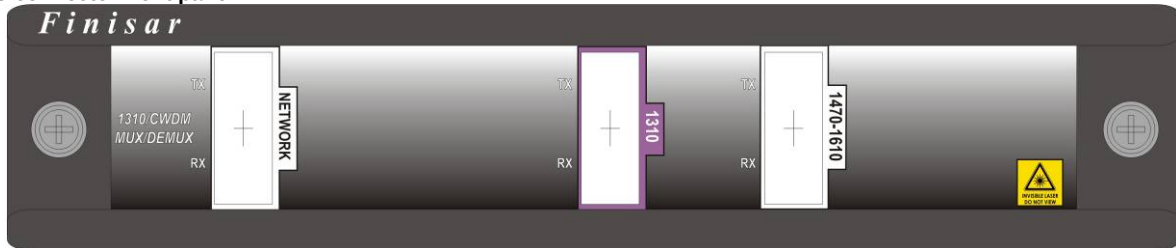
CWDM Grid Port

Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
	Mux	Demux	Mux	Demux
1464.5nm-1617.5nm	0.80	0.80	15	15

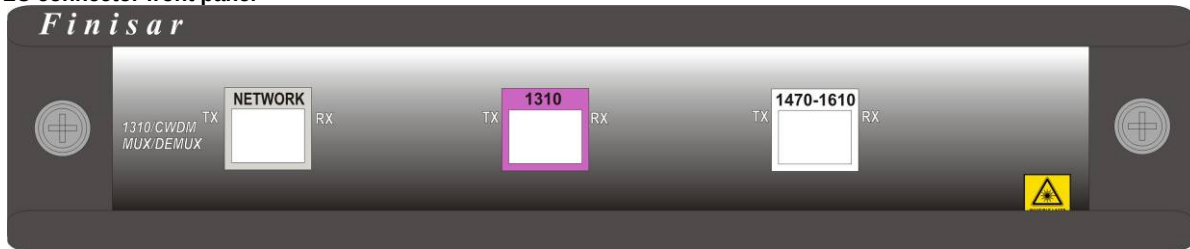
Note: Connector loss included

Front Panel

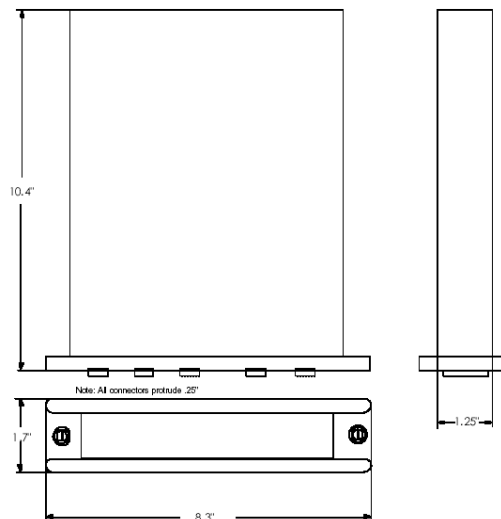
SC connector front panel



LC connector front panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

FWSF-M/D-1310/CWDM	1310/CWDM Wavelength MUX/DEMUX Plug-in Module for FWSF-CHASSIS-2, SC connectors
FWSF-M/D-1310/CWDM-LC	1310/CWDM Wavelength MUX/DEMUX Plug-in Module for FWSF-CHASSIS-2, LC connectors