

Features:

- Low optical insertion loss
- Cost-effective WDM technology
- Terminates 1310 and CWDM wavelengths
- SC connectors (LC version available)
- Compatible with CWDM MUX/DEMUX family
- Reliable passive WDM technology
- Ring or point-to-point applications
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- RoHS compliant

1310/CWDM MUX/DEMUX Plug-in Module



1310/CWDM plug-in module is a passive optical multiplexer/demultiplexer designed to add CWDM wavelengths to an existing 1310nm backbone ring. The module multiplexes and demultiplexes a single 1310nm wavelength and the complete CWDM wavelength grid from a two-fiber ring network.

This MUX/DEMUX module plugs into one half of a 1RU, 19" rack mount chassis for simple installation and modularity. This Chassis based system offers network equipment manufacturers a more scalable and higher-density solution to add CWDM capability to their existing and new networks with simple pluggable interface.

Finisar's CWDM product 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.

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 |

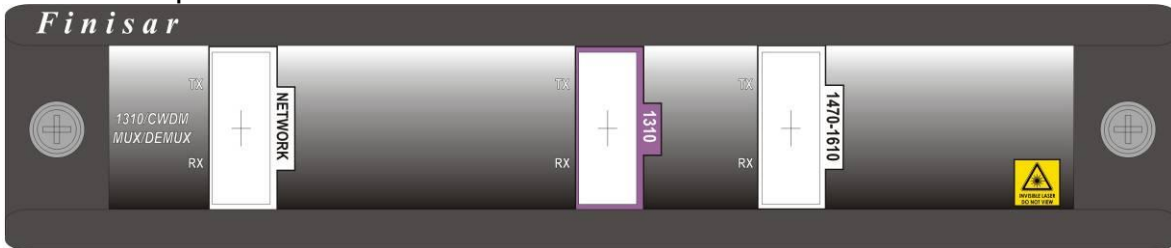
CWDM Grid Port

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

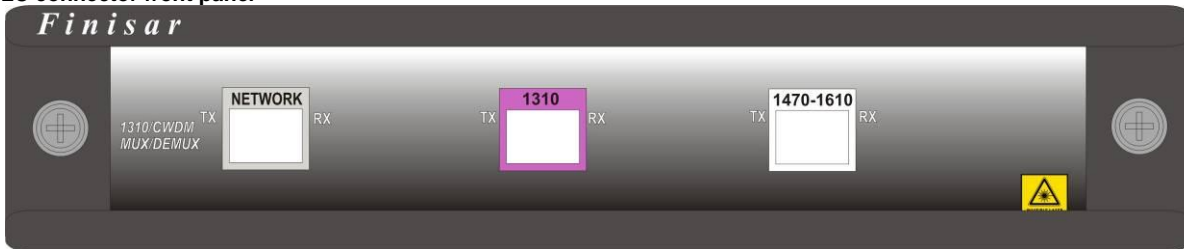
Note: Connector loss included

Front Panel

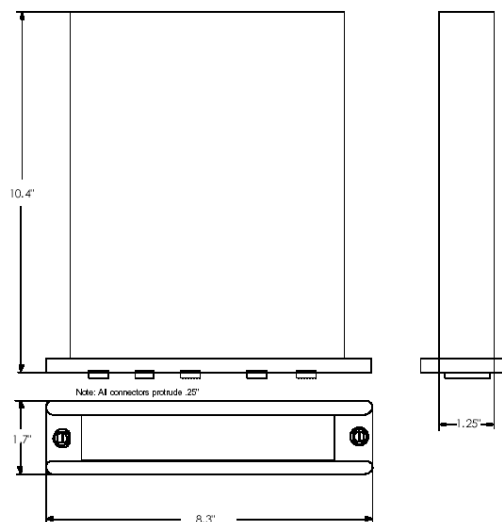
SC connector front panel



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 |