

Features:

- Low Optical Insertion Loss
- Cost-effective WDM technology
- Terminates 1310 and CWDM wavelengths
- Dual LC connectors for interfacing
- Color Coded for ease of installation
- 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 (type II) Plug-in Module

The Finisar 1310/CWDM MUX/DEMUX (type II) plug-in module is a passive optical multiplexer/demultiplexer designed for metro access applications. The 1310/CWDM MUX/DEMUX (type II) plug-in module multiplexes and demultiplexes a single 1310nm wavelength and four or eight CWDM wavelengths 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 1310/CWDM MUX/DEMUX (type II) 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 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 (Type II) 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: LC/PC
- Equipment side: LC/PC

Optical

Wavelengths Ports:

MUX/DEMUX-1310/CWDM-4 Plug-in

- 1310nm
- 1471nm
- 1511nm
- 1551nm
- 1591nm

MUX/DEMUX-1310/CWDM-8 Plug-in

- 1310nm
- 1471nm • 1491nm
- 1511nm • 1531nm
- 1551nm • 1571nm
- 1591nm • 1611nm

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 (type II) Plug-in Module Parameter Specifications

FWSF-M/D-1310/CWDM-4

Channel	Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
		Mux	Demux	Mux	Demux
1310 channel	1260nm-1360nm	1.1	1.1	30	45
CWDM channels	CWL+/-6.5nm	2.4	2.7	30	45

FWSF-M/D-1310/CWDM-8

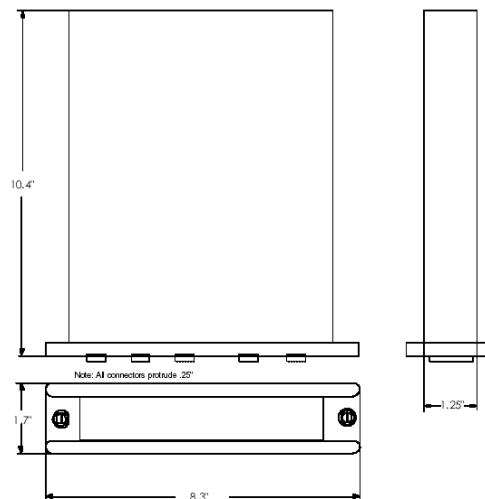
Channel	Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
		Mux	Demux	Mux	Demux
1310 channel	1260nm-1360nm	1.1	1.1	30	45
CWDM channels	CWL+/-6.5nm	3.2	3.5	30	45

Note: Connector loss included

Front Panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

FWSF-M/D-1310/CWDM-4-LC	1310/CWDM MUX/DEMUX Four Wavelength Plug-in Module for FWSF-CHASSIS-2, 1471nm, 1511nm, 1551nm, 1591nm, LC connectors
FWSF-M/D-1310/CWDM-8-LC	1310/CWDM MUX/DEMUX Eight Wavelength Plug-in Module for FWSF-CHASSIS-2, 1471nm to 1611nm, LC connectors