Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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FINISAR

Features:

- **Low optical insertion loss**
- **Cost-effective WDM technology**
- **Terminates 1550 and combined CWDM wavelengths**
- **SC connectors (LC version available)**
- **Reliable passive WDM technology**
- **Ring or point to point applications**
- **Low-profile modular design**
- **Fits in 1RU 19" rack mount chassis**
- **RoHS compliant**

1550/CWDM MUX/DEMUX-2 Plug-in Module

1550/CWDM plug-in module is a passive optical multiplexer /demultiplexer designed to add CWDM wavelengths to an existing 1550nm backbone ring. The module multiplexes and demultiplexes a single1550nm 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.

1550/CWDM MUX/DEMUX-2 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

Center Wavelengths:

MUX/DEMUX-1550/CWDM-2 Plug-in
• Banded 1550nm
• 1464nm-1528nm and 1584nm-1618nm

Directivity:
≥ 55 dB
Return Loss:
≥ 45 dB
Passband Ripple:
≤ 0.5dB
PDL:
≤ 0.15dB
PMD:
≤ 0.2ps
Environmental:
• Operating 0 to 70°C
• Relative humidity:
10 to 85%,
non-condensing
• Storage - 40 to 85°C

1550/CWDM MUX/DEMUX-2 Plug-in Module Parameter Specifications

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1550 Port

Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
	Mux	Demux	Mux	Demux
+/-25nm	0.9	0.9	30	30

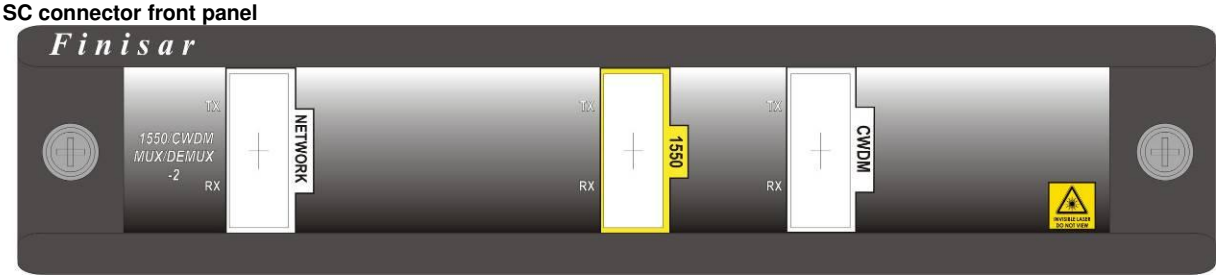
Combined CWDM port

Passband	Max Insertion Loss (dB)		Min Isolation (dB)	
	Mux	Demux	Mux	Demux
1464nm -1518nm & 1584nm -1618nm	0.7	0.7	15	15

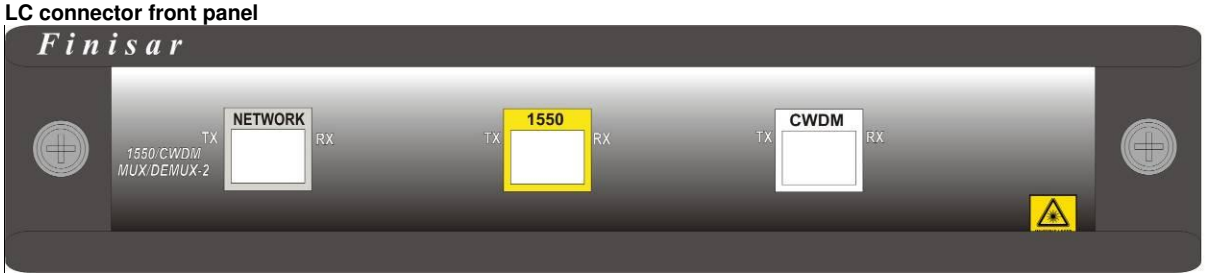
Note: Connector loss included

Front Panel

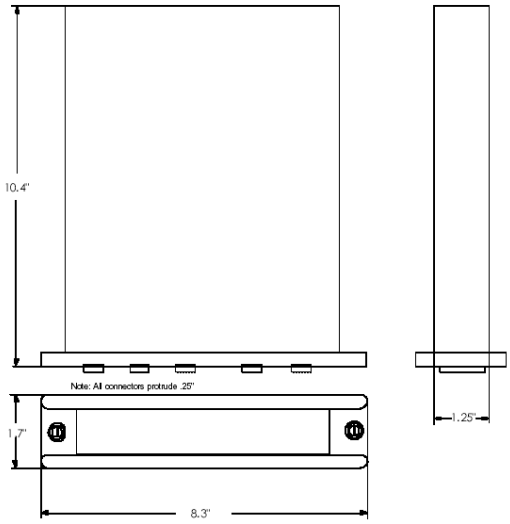
SC connector front panel



LC connector front panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

FWSF-M/D-1550/CWDM-2	1550/CWDM MUX/DEMUX-2 Plug-in Module for FWSF-CHASSIS-2, SC connectors
FWSF-M/D-1550/CWDM-2-LC	1550/CWDM MUX/DEMUX-2 Plug-in Module for FWSF-CHASSIS-2, LC connectors

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