



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!



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Features:

- Low optical insertion loss
- Cost-effective CWDM technology
- Mux/DeMux four wavelengths
- SC connectors (LC version available)
- 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-4-EX Plug-in Module



CWDM MUX/DEMUX-4-EX plug-in module is a passive optical multiplexer /demultiplexer designed to add CWDM wavelength channels to an existing backbone ring. The MUX/DEMUX multiplexes and demultiplexes four CWDM wavelengths from a two-fiber ring, going in opposite directions into a network. The module also includes an expansion port that allows adding more CWDM channels for future upgrade.

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.

CWDM MUX/DEMUX-4-EX 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: 4 dual SC/PC or LC/PC
- Expansion side: 1 dual SC/PC or LC/PC

Optical

Center Wavelengths:

MUX/DEMUX-4-EX Plug-in

- 1471 nm
- 1511 nm
- 1551 nm
- 1591 nm
- EX Port

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

MUX/DEMUX-4-EX Plug-in Module Parameter Specifications

Passband	Max Insertion Loss (dB)			Min Isolation (dB)		
	Mux	Demux	Ext	Mux	Demux	Ext
+/- 6.5nm	2.30	2.30	2.15	30	50	14

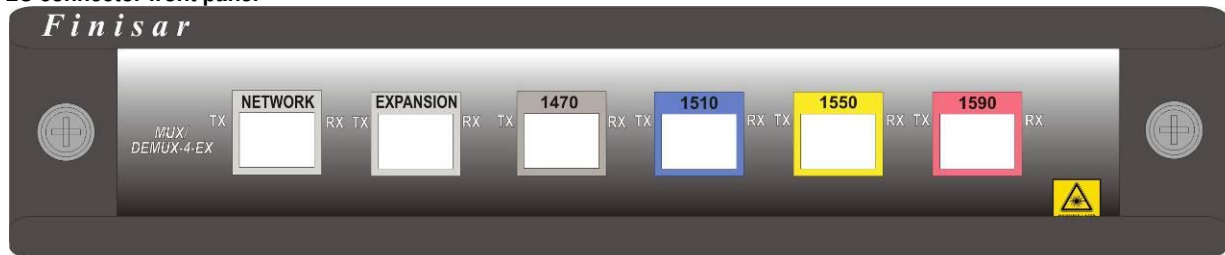
Note: Connector loss included

Front Panel

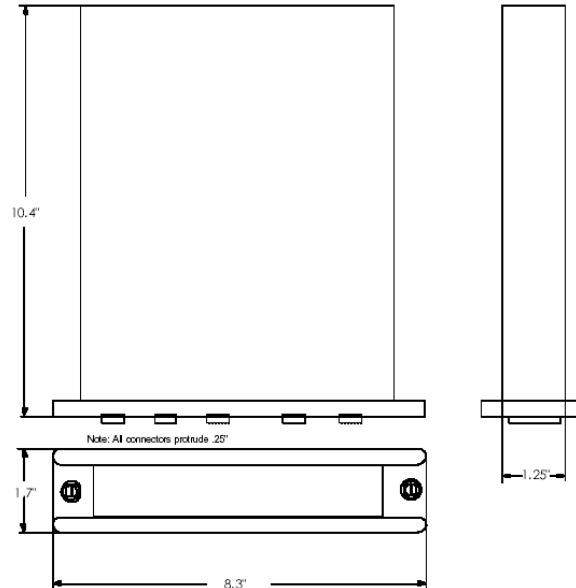
SC connector front panel



LC connector front panel



Dimensions (Unit: inch)



Ordering Information

Part Number Description

- FWSF-M/D-4-EX Four Wavelengths MUX/DEMUX w/ Expansion Port Plug-in Module for FWSF-CHASSIS-2, 1471nm, 1511nm, 1551nm, 1591nm, SC connectors
- FWSF-M/D-4-EX-LC Four Wavelengths MUX/DEMUX w/ Expansion Port Plug-in Module for FWSF-CHASSIS-2, 1471nm, 1511nm, 1551nm, 1591nm, LC connectors