



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 eight wavelengths
- Monitor port available
- Dual LC connectors
- 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-8 w/TAP Plug-in Module***



CWDM-8 w/TAP plug-in module is a passive optical add/drop multiplexer designed for metro access applications that represents the state of the art in fiber optics design. The MUX/DEMUX module adds and drops eight CWDM wavelengths channels from network traffic and passes the other channels. The module also includes a monitor port to provide customers capability to monitor and troubleshoot networks. Finisar's unique CWDM design maps the channels into two-fiber paths, going in opposite directions into a network (east/west).

Added/dropped channels can be connected to any of Finisar's CWDM transceivers on the equipment side. A grid of eight CWDM wavelengths is available from Finisar. The CWDM 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 CWDM capability to any existing networks with simple pluggable interface.

The equipment ports of the MUX/DEMUX plug-in module are color coded to match the wavelength of Finisar's CWDM transceiver to simplify installation and troubleshooting without having to remove the transceivers from the local equipment. This MUX/DEMUX module 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.

## **MUX/DEMUX-8 w/TAP 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 LC/PC
- Equipment side: 8 dual LC/PC
- Monitor side: 1 dual LC/PC

#### **Optical**

##### **Center wavelengths:**

MUX/DEMUX-8 w/TAP Plug-in

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

##### **Directivity:**

≥ 50 dB

##### **Return Loss:**

≥ 45 dB

##### **Passband Ripple:**

≤ 0.5dB

##### **PDL:**

≤ 0.2dB

##### **PMD:**

≤ 0.2ps

##### **Environmental:**

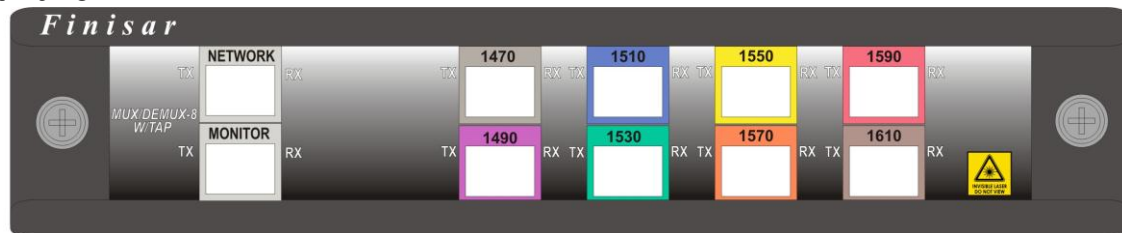
- Operating -5 to 70°C
- Relative humidity:  
10 to 85%  
Non-condensing
- Storage - 40 to 85°C

## MUX/DEMUX-8 w/TAP Plug-in Module Parameter Specifications

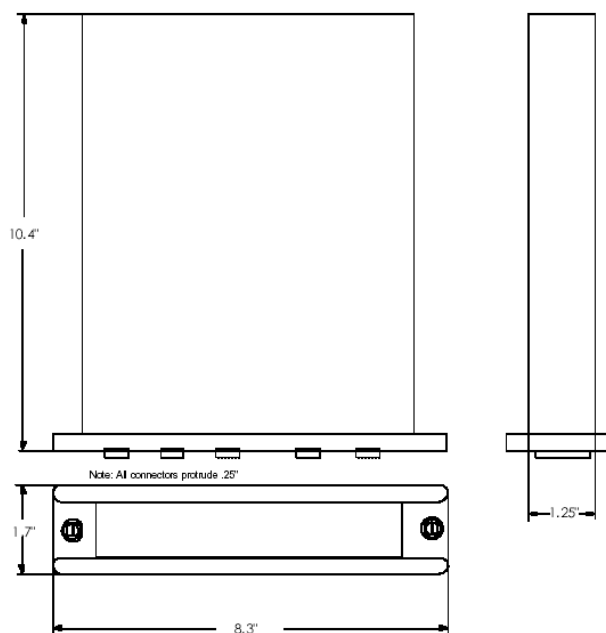
Passband	Max Insertion Loss (dB)		Min Isolation (dB)		Max Insertion Loss(dB) (Monitor Port)
	Mux	Demux	Mux	Demux	Mux or Demux
Center Wavelength +/- 6.5 nm	2.2	2.2	30	30	23

**Note:** Connector loss included.

### Front Panel



### Dimensions (Unit: inch)



## Ordering Information

### Part Number Description

FWSF-M/D-W/TAP-8-LC 8 Wavelengths MUX/DEMUX with TAP port Plug-in Module for FWSF-CHASSIS-2, LC connectors