Chipsmall

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

FINISAR

Features:

- **Low optical insertion loss**

- **Cost-effective CWDM technology**

- **Adds/drops 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 OADM-4 Plug-in Module

OADM-4 plug-in module is a passive optical multiplexer /demultiplexer designed to add and drop CWDM channels to an existing backbone ring. The module multiplexes and demultiplexes four CWDM wavelengths from a two-fiber ring, going in opposite directions into a network (east/west).

This OADM 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 OADM 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.

OADM-4 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: 2 dual SC/PC
           or LC/PC
• Equipment side:4 dual SC/PC
            or LC/PC

Optical
Center wavelengths:
(2 versions):

OADM-4-1 Plug-in
• 1471 nm
• 1511 nm
• 1551 nm
• 1591 nm

OADM-4-2 Plug-in
• 1491 nm
• 1531 nm
• 1571 nm
• 1611 nm

Directivity:
$\geq$ 55 dB
Return Loss:
$\geq$ 45 dB
Passband Ripple:
$\leq$ 0.5dB
PDL:
$\leq$ 0.15dB
PMD:
$\leq$ 0.2ps
Environmental:
• Operating 0 to 70ºC
• Relative humidity:
 10 to 85%,
 non-condensing
• Storage - 40 to 85ºC

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OADM-4 Plug-in Module Parameter Specifications

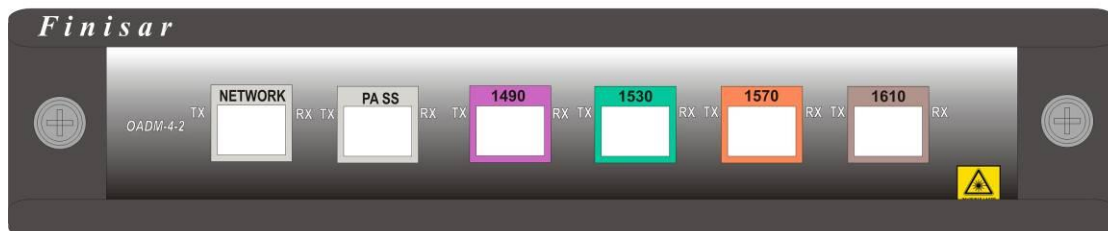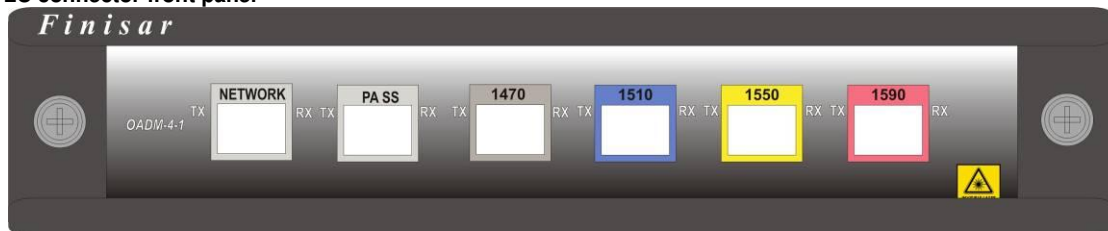| Passband	Max Insertion Loss (dB)			Min Isolation (dB)		
	Add	Drop	Pass	Add	Drop	Pass
+/- 6.5nm	2.30	2.30	2.15	30	50	14

Note: Connector loss included

Front Panel

SC connector front panel
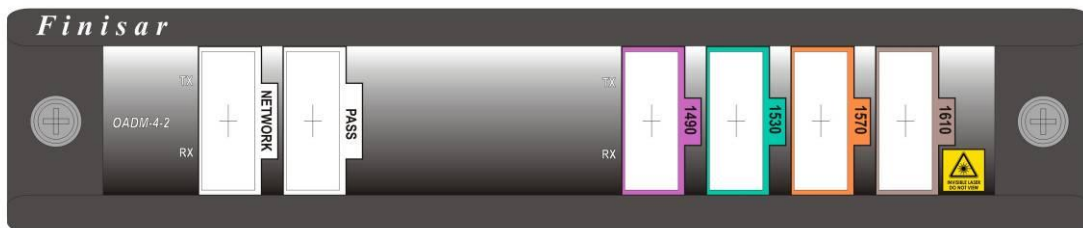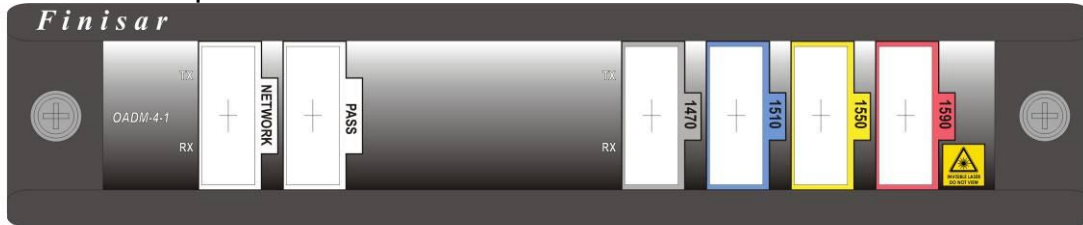
LC connector front panel

Dimensions (Unit: inch)

10.4"

Note: All connectors protrude .25"

1.7"

8.3"

1.25"
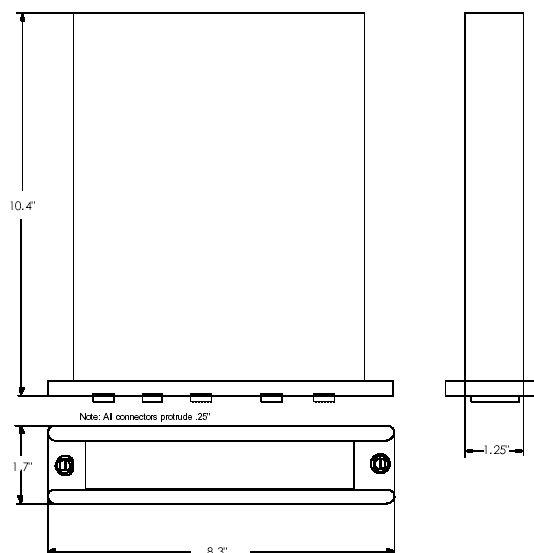
Ordering Information

Part Number Description

FWSF-OADM-4-1   4 Wavelengths Add/Drop MUX (1471, 1511, 1551, 1591) Plug-in Module for FWSF-CHASSIS-2, SC connectors
FWSF-OADM-4-2   4 Wavelengths Add/Drop MUX (1491, 1531, 1571, 1611) Plug-in Module for FWSF-CHASSIS-2, SC connectors
FWSF-OADM-4-1-LC 4 Wavelengths Add/Drop MUX (1471, 1511, 1551, 1591) Plug-in Module for FWSF-CHASSIS-2, LC connectors
FWSF-OADM-4-2-LC 4 Wavelengths Add/Drop MUX (1491, 1531, 1571, 1611) Plug-in Module for FWSF-CHASSIS-2, LC connectors