



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
- Mux/Demux Four/Eight wavelengths
- SC connectors for interfacing
- Reliable passive WDM optical technology
- Scales easily for ring networks
- Low-profile modular design
- Fits in 1RU 19" rack mount chassis
- Compliance with RoHS

4/8 Channels 100GHz DWDM MUX/DEMUX Plug-in Module

The Finisar FWSFMDMUXDwxyy DWDM Plug-in module is a passive optical multiplexer/demultiplexer designed for metro access applications that represent the state of the art in fiber optics design. The FWSFMDMUXDwxyy DWDM Plug-in Module multiplexes and demultiplexes four/eight DWDM wavelengths of 100GHz channel spacing from a fiber circuit. Finisar's design allows the creation of cost-effective network traffic rings or point-to-point links.

The FWSFMDMUXDwxyy DWDM 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 GBIC interfaces.

The Finisar DWDM 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.

FWSFMDMUXDwxyy Plug-in Module

Product selection

FWSFMDMUXDwxyy

| | |
|----|---|
| w | Channel number (w=8, 4 channels) |
| xx | The first channel ID (see below table channel wavelength) |
| yy | The last channel ID (see below table channel wavelength) |

| Channel ID ("xx"/"yy") | Center Wavelength (nm) | Channel ID ("xx"/"yy") | Center Wavelength (nm) | Channel ID ("xx"/"yy") | Center Wavelength (nm) |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 61 | 1528.773 | 40 | 1545.322 | 20 | 1561.419 |
| 60 | 1529.553 | 39 | 1546.119 | 19 | 1562.233 |
| 59 | 1530.334 | 38 | 1546.917 | 18 | 1563.047 |
| 58 | 1531.116 | 37 | 1547.715 | 17 | 1563.863 |
| 57 | 1531.898 | 36 | 1548.515 | 16 | 1564.679 |
| 56 | 1532.681 | 35 | 1549.315 | 15 | 1565.496 |
| 55 | 1533.465 | 34 | 1550.116 | 14 | 1566.314 |
| 54 | 1534.250 | 33 | 1550.918 | 13 | 1567.133 |
| 53 | 1535.036 | 32 | 1551.721 | 12 | 1567.952 |
| 52 | 1535.822 | 31 | 1552.524 | 11 | 1568.773 |
| 51 | 1536.609 | 30 | 1553.329 | 10 | 1569.594 |
| 50 | 1537.397 | 29 | 1554.134 | 09 | 1570.416 |
| 49 | 1538.186 | 28 | 1554.940 | 08 | 1571.239 |
| 48 | 1538.976 | 27 | 1555.747 | 07 | 1572.063 |
| 47 | 1539.766 | 26 | 1556.555 | 06 | 1572.888 |
| 46 | 1540.557 | 25 | 1557.363 | 05 | 1573.714 |
| 45 | 1541.349 | 24 | 1558.173 | 04 | 1574.540 |
| 44 | 1542.142 | 23 | 1558.983 | 03 | 1575.368 |
| 43 | 1542.936 | 22 | 1559.794 | 02 | 1576.196 |
| 42 | 1543.730 | 21 | 1560.606 | 01 | 1577.025 |
| 41 | 1544.526 | | | | |

For example: **FWSFMDMUXD82734** – 8 channels, from CH27 to CH34, 100 GHz DWDM MUX/DEMUX plug-in module, SC connector.

Specifications

Mechanical

Dimensions:

8.3" x 1.7" x 10.4",
210mm x 43mm x 264mm,
plug-in for 1RU rack-mount

Connectors:

FWSFMDMUXDwxyy
• SC/PC

Environmental:

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

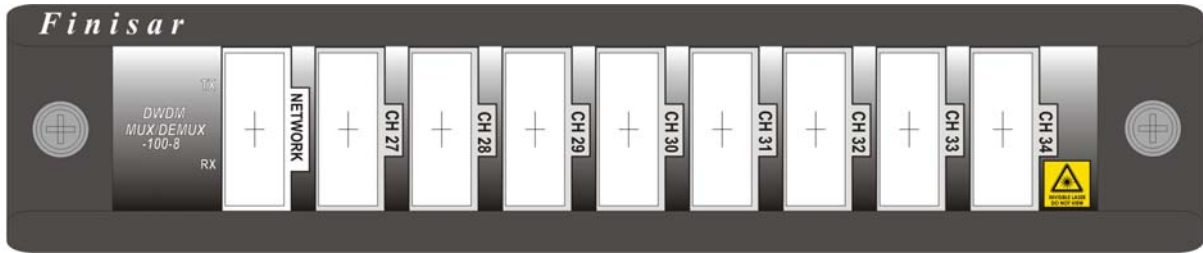
FWSFMDMUXDwxyy Parameter Specifications (connector loss included)

| Parameter | | Specifications | | Unit | |
|---------------------------------|------------|----------------|-------------------|------|----|
| Center Wavelength | | - | ITU Grid Channels | nm | |
| Channel Spacing | | - | 100 | GHz | |
| Channel Pass band | | - | ITU± 0.11 | nm | |
| Pass Band Insertion Loss | Max | 8 channels | 4 channels | dB | |
| | | 3.0 | 2.0 | | |
| Pass Band Ripple | Max | 0.4 | | dB | |
| Adjacent Channel Isolation | Mux side | Min | 15 | | dB |
| | Demux side | Min | 30 | | |
| Non- Adjacent Channel Isolation | Mux side | Min | 15 | | dB |
| | Demux side | Min | 40 | | |
| Optical Return Loss | Min | 45 | | dB | |
| Directivity | Min | 50 | | dB | |
| Polarization Dependent Loss | Max | 0.2 | | dB | |
| Polarization Mode Dispersion | Max | 0.2 | | ps | |
| Optical Power Handling | Max | 500 | | mW | |

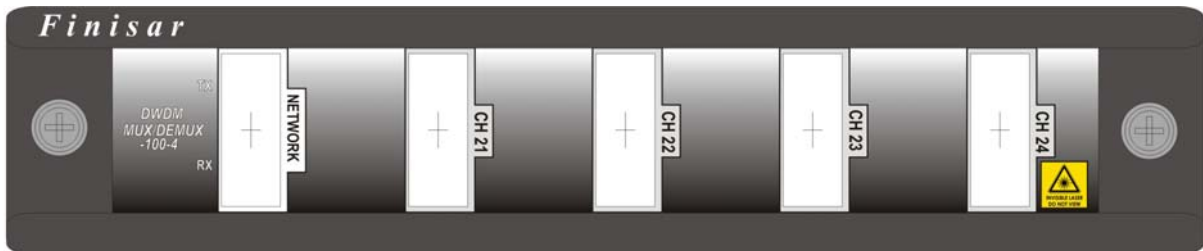
Finisar

Front Panel (Channel description is only for example)

8 Channel 100 GHz DWDM MUX/DEMUX front panel



4 Channel 100GHz DWDM MUX/DEMUX front panel



Dimensions (Unit: inch)

