

Features:

- Low Optical Insertion Loss
- Cost-effective CWDM technology
- Terminates eight wavelengths
- Dual SC or LC connectors for simple GBIC interfacing
- Reliable passive WDM optical technology
- Ring or point-to-point applications
- Low-profile modular design
- Compliance with RoHS

CWDM MUX/DEMUX-4-EX Optibox™ Module



The Finisar MUX/DEMUX-4-EX optibox module is a passive optical multiplexer/ demultiplexer designed for metro access applications that represents the state of the art in fiber optics design. The MUX/DEMUX-4-EX optibox module multiplexes and demultiplexes four CWDM wavelength channels from a two-fiber circuit and passes the other channels. Finisar's design allows the creation of cost-effective unidirectional network traffic rings or point-to-point links.

Multiplexed wavelengths are interfaced to any of Finisar's CWDM transceivers on the equipment side. A grid of eight CWDM wavelengths is available from Finisar.

The Finisar MUX/DEMUX-4-EX optibox 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- 4- EX Optibox Module

Specifications

Mechanical

Dimensions:

- MUX/DEMUX-4-EX
5.5" x 3.2" x 0.5",
139mm x 81mm x 13mm

Connectors:

- Available with SC or LC connectors

Optical

Center Wavelengths:

MUX/DEMUX-4-EX

- 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:

<= 0.2 ps

Environmental:

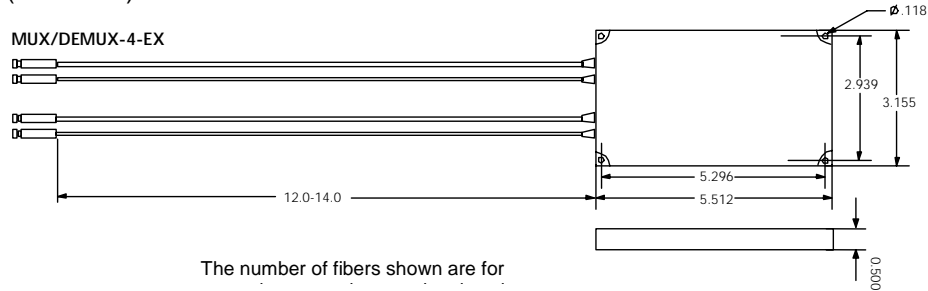
- Operating 0 to 70°C,
- Relative humidity:
10 to 85%,
non-condensing
- Storage - 40 to 85°C

MUX/DEMUX-4-EX Optibox Module Parameter Specifications

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

Note: Connector loss is included.

Dimensions (Unit: inch)



*All measurements are in inches

Ordering Information

Part Number Description

- M/DF-4-EX-LC Four Wavelengths MUX/DEMUX w/ Expansion Port Optibox Module, LC connectors
1471nm, 1511nm, 1551nm, 1591nm.
- M/DF-4-EX-SC Four Wavelengths MUX/DEMUX w/ Expansion Port Optibox Module, SC connectors
1471nm, 1511nm, 1551nm, 1591nm.