

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-8 Optibox™ Module



The Finisar MUX/DEMUX-8 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-8 optibox module multiplexes and demultiplexes eight CWDM wavelength channels from a two-fiber circuit. 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-8 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-8 Optibox Module

Specifications

Mechanical

Dimensions:

- MUX/DEMUXF-8
6.25" x 6.5" x 0.5",
158mm x 165mm x 13mm

Connectors:

- Available with SC or LC connectors

Optical

Center wavelengths:

MUX/DEMUXF-8

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

Directivity:

>= 55 dB

Return Loss:

>= 45 dB

Passband Ripple:

<= 0.5dB

PDL:

<= 0.15dB

PMD:

<= 0.2 ps

Environmental:

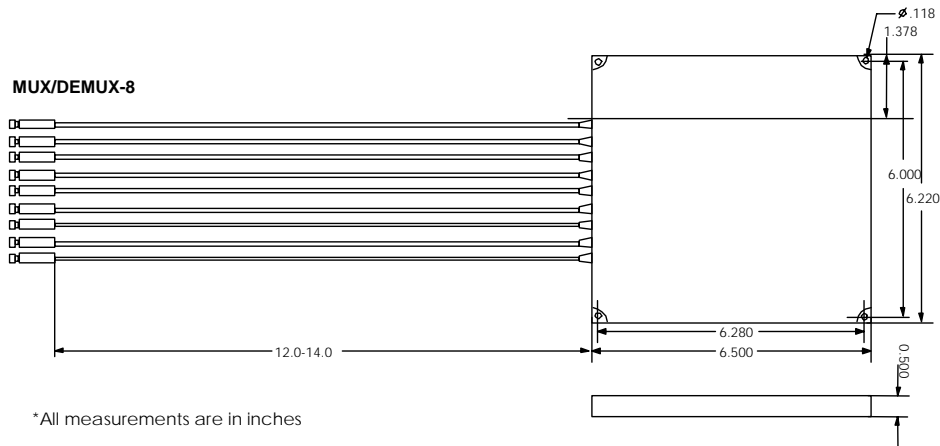
- Operating 0 to 70°C,
- Relative humidity:
10 to 85%,
non-condensing
- Storage - 40 to 85°C

MUX/DEMUX-8 Optibox Module Parameter Specifications

Passband	Max Insertion Loss (dB)		Isolation (dB)	
	Mux	Demux	Mux	Demux
+/- 6.5nm	2.80	2.80	>=30	>=50

Note: Connector loss included.

Dimensions (Unit: inch)



Ordering Information

Part Number Description

M/DF-8-LC Eight Wavelength MUX/DEMUX Optibox Module with LC connectors, 1471nm to 1611nm.
M/DF-8-SC Eight Wavelength MUX/DEMUX Optibox Module with SC connectors, 1471nm to 1611nm.