

Features:

- Low Optical Insertion Loss
- Cost-effective CWDM technology
- Adds/drops four Wavelengths
- Dual SC or LC connectors for simple GBIC interfacing
- Reliable passive WDM optical technology
- Scales easily for ring networks
- Low-profile modular design
- Compliance with RoHS

CWDM OADM-4 Optibox™ Module



The Finisar OADM-4 optibox 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 OADM-4 optibox module adds/drops four wavelength CWDM channels from network traffic and passes the other channels. Finisar's unique CWDM design maps the channel into separate two-fiber paths, going in opposite directions into the network (East/West).

Added/dropped channels 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 OADM-4 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.

OADM-4 Optibox Module

Specifications

Mechanical

Dimensions:
5.5" x 3.2" x 0.5",
139mm x 81mm x 13mm

Connectors:
• Available with SC or LC connectors

Optical

Center Wavelengths: (2 versions):

- OADM-4-1
- 1471 nm
- 1511 nm
- 1551 nm
- 1591 nm

- OADM-4-2
- 1491 nm
- 1531 nm
- 1571 nm
- 1611 nm

Directivity:

>= 55 dB

Return Loss:

>= 45 dB

Passband Ripple:

<= 0.5dB

PDL:

<= 0.15dB

PMD:

<= 0.2ps

Environmental:

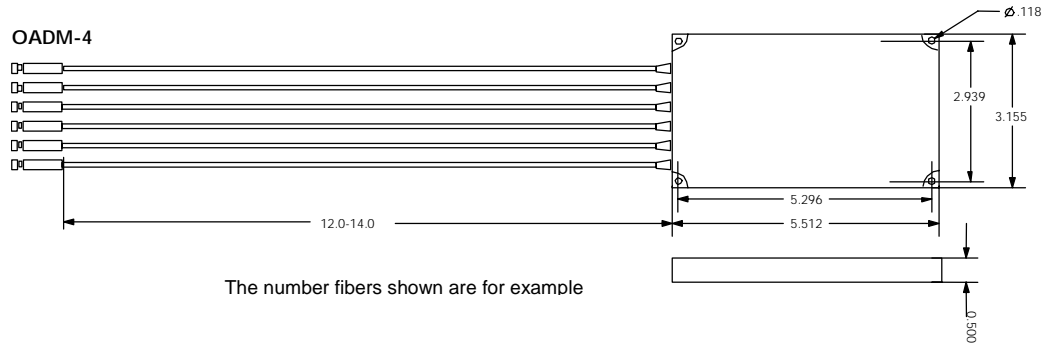
- Operating 0 to 70°C,
- Relative humidity:
10 to 85%,
non-condensing
- Storage - 40 to 85°C

OADM-4 Optibox Module Parameter Specifications

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

Note: Connector loss included.

Dimensions (Unit: inch)



All Measurements are in inches.

Ordering Information

Part Number Description

OADM-4-1-xx 4 Wavelength Add/Drop (1471, 1511, 1551, 1591)
 OADM-4-2-xx 4 Wavelength Add/Drop (1491, 1531, 1571, 1611)

XX = LC - LC connectors
 SC - SC connectors