

Micro HD CWDM Cassette

ARIA's Micro HD CWDM Cassette is a high-density, compact cassette for CWDM MUX and DEMUX applications.

The micro HD footprint provides enhanced port accessibility with 14 front facing LC/APC or LC/UPC ports and is compatible with LGX type enclosures.

This cassette is approximately half the height and depth of a standard LGX cassette, providing the user with significantly improved port density.

Front and side facing channel labels provide the user with straightforward port identification.

The cassette's unique micro form factor and increased port density allows for port groupings by function increasing network architecture versatility.



Features

- Industry leading micro form factor: 5.08 x 0.63 x 4.16 (H" x W" x D")
- Up to 14 LC ports on the faceplate enables design and configuration versatility
- Front and side facing labels improve port identification
- Port layout designed to optimize patch cord management
- LGX mounting compatible
- High channel isolation
- Low insertion loss
- Rugged metal housing
- Wideband 1310nm express port
- DWDM upgrade port available
- Optional test ports

Specifications

| Parameter | Value |
|--|-----------|
| Channel Wavelength (nm) | 1271~1611 |
| Center Wavelength Accuracy (nm) | ±0.5 |
| Channel Passband (@-0.5dB bandwidth (nm)) | ±7.5/±6.5 |
| Insertion Loss (dB) | ≤2.5 |
| Channel Uniformity (dB) | ≤1.0 |
| Channel Ripple (dB) | <0.3 |
| Isolation Adjacent / Non-Adjacent (dB) | >30 / >40 |

Micro HD CWDM Cassette Specifications (Continued)

| Parameter | Value |
|---|-----------|
| Isolation Express with Filter / Express without Filter (dB) | >30 / >12 |
| Insertion Loss Temperature Sensitivity (dB/°C) | <0.005 |
| Polarization Dependent Loss (dB) | <0.1 |
| Polarization Mode Dispersion (ps) | <0.1 |
| Directivity (dB) | >50 |
| Return Loss (dB) | >45 |
| Maximum Power Handling (mW) | 300 |
| Operating & Storage Temperature (°C) | -40~+85 |

Part Number



1 Type

M1 = Multiplex (10-13 Channels)
 D1 = Demultiplex (10-13 Channels)
 MD = Multiplex and Demultiplex (3-6 Channels)
 M2 = Double Multiplex (3-6 Channels)
 D2 = Double Demultiplex (3-6 Channels)

Note: The number of available channels is based on the presence of test, upgrade, and express ports

3 Starting Channel (20 nm spacing)

1271 = 1271 nm
 1291 = 1291 nm
 1311 = 1311 nm
 1331 = 1331 nm
 1351 = 1351 nm
 1371 = 1371 nm
 1391 = 1391 nm
 1411 = 1411 nm
 1431 = 1431 nm
 1451 = 1451 nm
 1471 = 1471 nm
 1491 = 1491 nm
 1511 = 1511 nm
 1531 = 1531 nm
 1551 = 1551 nm
 1571 = 1571 nm
 1591 = 1591 nm
 1611 = 1611 nm

4 Test Port

N = None
 T = Test Port

5 Upgrade Port

N = None
 U = Upgrade port

6 Express Port

N = None
 E = Express port (1260-1360nm)

7 Connector Type

LCU = LC/UPC
 LCA = LC/APC

2 Number of Channels

01 = 1 Channel
 02 = 2 Channels
 03 = 3 Channels
 04 = 4 Channels
 05 = 5 Channels
 06 = 6 Channels
 07 = 7 Channels
 08 = 8 Channels
 09 = 9 Channels
 10 = 10 Channels
 11 = 11 Channels
 12 = 12 Channels
 13 = 13 Channels