

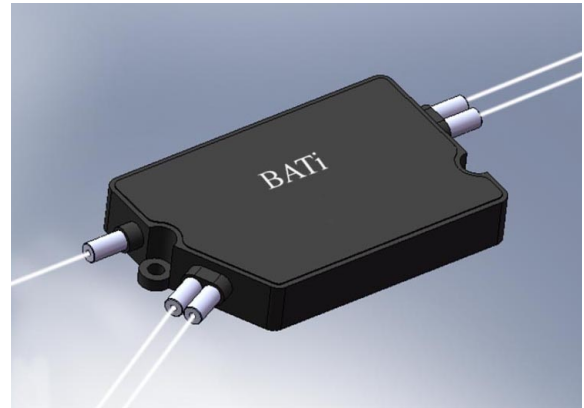
# Mini CWDM Module

## Features

- Low insertion loss
- Compact design
- Lower cost
- High stability and reliability

## Application

- Metro optical networks
- CATV System
- WDM System

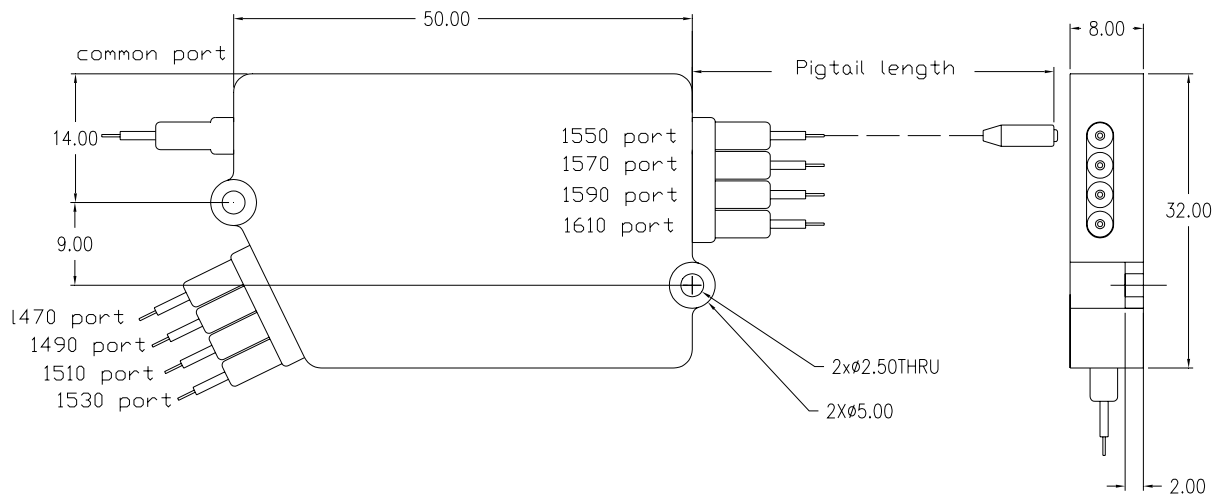


## Specifications

| Parameter                           |              | Unit |     | 4 Channel                                                                                                                | 8 Channel |
|-------------------------------------|--------------|------|-----|--------------------------------------------------------------------------------------------------------------------------|-----------|
| Center Wavelength ( $\lambda_c$ )   |              | nm   | -   | "1" Series: 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611<br>"0" Series: 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 |           |
| Channel Space                       |              | nm   | -   | 20                                                                                                                       |           |
| Channel Pass Band                   |              | nm   | Min | $\lambda_c \pm 6.5$                                                                                                      |           |
| Insertion Loss                      |              | dB   | Max |                                                                                                                          | 1.8       |
| Channel Uniformity (@ $\lambda_c$ ) |              | dB   | Max |                                                                                                                          | 0.8       |
| Isolation                           | Adjacent     | dB   | Min | 30                                                                                                                       |           |
|                                     | Non-adjacent |      |     | 40                                                                                                                       |           |
| Pass Channel Ripple                 |              | dB   | Max | 0.5                                                                                                                      |           |
| Polarization Dependent Loss         |              | dB   | Max | 0.2                                                                                                                      |           |
| Polarization Mode Dispersion        |              | ps   | Max | 0.1                                                                                                                      |           |
| Return Loss                         |              | dB   | Min | 45                                                                                                                       |           |
| Directivity                         |              | dB   | Min | 55                                                                                                                       |           |
| Power Handling                      |              | mW   | Max | 300                                                                                                                      |           |
| Operating Temperature               |              | °C   | -   | -5 ~ 65                                                                                                                  |           |
| Storage Temperature                 |              | °C   | -   | -40 ~ 85                                                                                                                 |           |
| Package Dimension                   |              | mm   | -   | 52 (L) x 31.5 (W) x 7.7 (H)                                                                                              |           |

- (1) Values referenced without connector loss. Operating temperature and all state of polarization effects are considered.  
(2) Customized dimension is available.  
(3) C specify – Customer specify.

## Package dimension



## Ordering Information

**CWDM** –       –

| Device Type               | Channel Numbers                  | First Channel Wavelength                                        | Fiber Type         | Fiber Jacket                                                   | Fiber Length            | Connector Type                                                                                        |
|---------------------------|----------------------------------|-----------------------------------------------------------------|--------------------|----------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------|
| C – Compact Design Module | 4 – 1x4 Module<br>8 – 1x8 Module | First Channel Wavelength (the shortest wavelength, four digits) | 1 – Corning SMF 28 | 1 – 250 µm<br>2 – 2 mm<br>3 – 3 mm<br>6 – 1.6 mm<br>9 – 900 µm | 1 ≥ 1m<br>X – C specify | 0 – None<br>1 – FC/UPC<br>2 – FC/APC<br>3 – SC/UPC<br>4 – SC/APC<br>5 – LC<br>6 – MU<br>X – C Specify |

i.e. **CWDM-C41531-1213**

CWDM – Compact design module, 1x4, first channel wavelength 1531nm (remaining channel wavelengths are 1551, 1571, 1591 nm) – Corning SMF 28 fiber, 2 mm cable jacket, 1 m pigtail length, SC/UPC connectors.

## Contact Information

For more information about BATi's' leadership in variable optical attenuation and modulation technology and other optical networking modules and components, visit our website at [www.bostonati.com](http://www.bostonati.com).

To obtain additional technical information or to place an order for this product, please contact us at:

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