

## 150GHz 32CH DWDM MUX DEMUX 1529.553nm-1566.723nm with Monitor Port, LC/UPC 1U Rack



The 150GHz 32ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from 1529.553nm-1566.723nm, in accordance with the ITU 150GHZ grid, it maximizes the capacity of the C-band range.

The 150GHz 32ch DWDM is totally passive DWDM device, and support low insertion loss( wavelength ports < 6.0dB), Support 800G x 32ch business in DWDM transfer system.

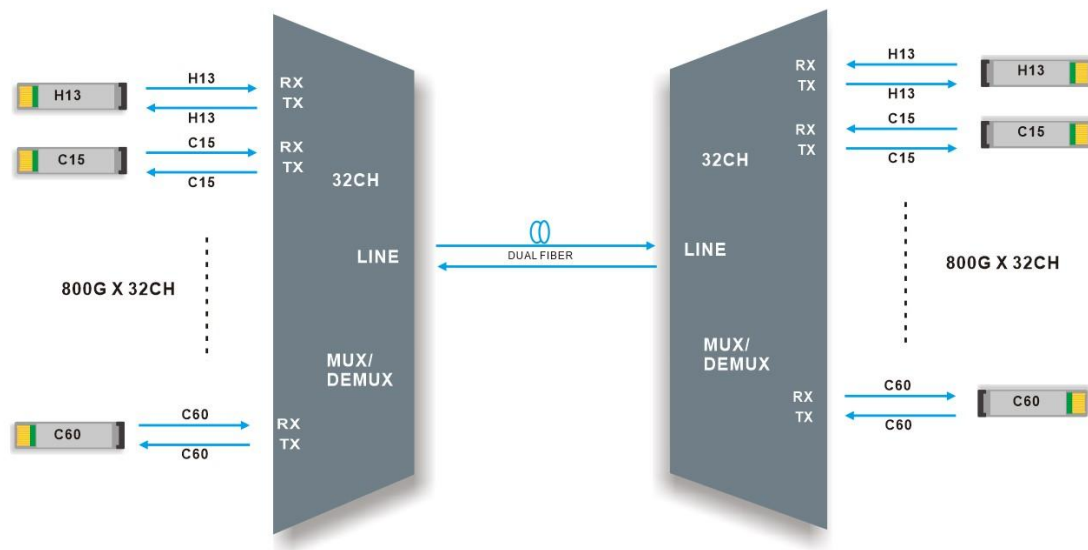
### Product Panel



### 150Ghz 32CH DWDM MUX DEMUX

Mon port is for network link monitoring or power monitoring, easy trouble shooting without affecting traffic

## Line Link



## 32CH DWDM MUX DEMUX Dual fiber transmission

32 Channels DWDM MUX DEMUX, supports 32 channels 800G difference business in two optical fiber for point-to-point transmission. It works in IDC transfer system.

## Product Specification

|                                     |                                        |                                    |                                             |
|-------------------------------------|----------------------------------------|------------------------------------|---------------------------------------------|
| <b>Wavelength</b>                   | 1529.553nm-1566.723nm                  | <b>Channel Spacing</b>             | 150GHz                                      |
| <b>Channel Passband</b>             | ±0.5nm                                 | <b>Technology</b>                  | AAWG (Flat top)                             |
| <b>Insertion Loss</b>               | ≤6.0dB                                 | <b>Link Loss</b>                   | ≤12dB                                       |
| <b>Center Wavelength Accuracy</b>   | ±0.05nm                                | <b>Total Crosstalk</b>             | ≥5dB                                        |
| <b>-0.5dB Bandwidth</b>             | ≥90GHz                                 | <b>-3dB Bandwidth</b>              | ≥150GHz                                     |
| <b>Return Loss</b>                  | ≥ 40dB                                 | <b>Directivity</b>                 | ≥ 40dB                                      |
| <b>Polarization Mode Dispersion</b> | ≤ 1.0ps                                | <b>Polarization Dependent Loss</b> | ≤ 0.7dB                                     |
| <b>Channel Isolation</b>            | Adjacent ≥ 10dB<br>Non-adjacent ≥ 22dB | <b>Temperature</b>                 | Operating -5 to 65°C<br>Storage -40 to 85°C |
| <b>Net Weight</b>                   | 3.5KG                                  | <b>Dimensions (HxWxD)</b>          | 44*440*230mm                                |

Note: Specified with connectors.

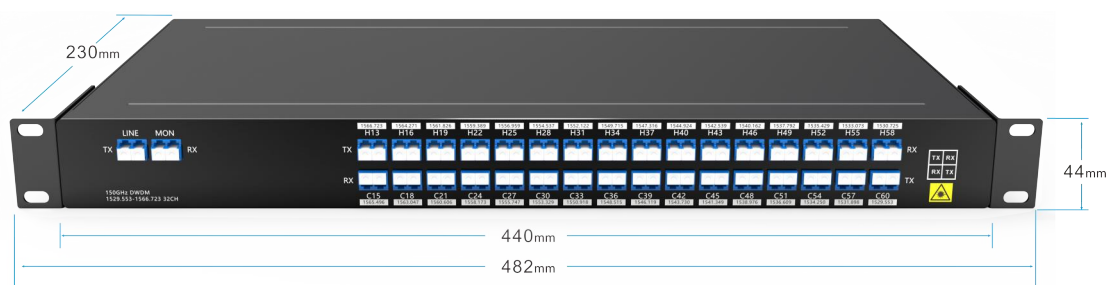
## Hannel Plan 32Port AAWG - On grid

Table1 Channels List: Pass bands for 32channel AAWG

| Channel | Frequency | Wavelength |
|---------|-----------|------------|
| #       | (THz)     | (nm)       |
| C60     | 196.00    | 1529.553   |
| H58     | 195.85    | 1530.725   |
| C57     | 195.70    | 1531.898   |
| H55     | 195.55    | 1533.073   |
| C54     | 195.40    | 1534.250   |
| H52     | 195.25    | 1535.429   |
| C51     | 195.10    | 1536.609   |
| H49     | 194.95    | 1537.792   |
| C48     | 194.80    | 1538.976   |
| H46     | 194.65    | 1540.162   |
| C45     | 194.50    | 1541.349   |
| H43     | 194.35    | 1542.539   |
| C42     | 194.20    | 1543.730   |
| H40     | 194.05    | 1544.924   |
| C39     | 193.90    | 1546.119   |
| H37     | 193.75    | 1547.316   |

| Channel | Frequency | Wavelength |
|---------|-----------|------------|
| #       | (THz)     | (nm)       |
| C36     | 193.60    | 1548.515   |
| H34     | 193.45    | 1549.715   |
| C33     | 193.30    | 1550.918   |
| H31     | 193.15    | 1552.122   |
| C30     | 193.00    | 1553.329   |
| H28     | 192.85    | 1554.537   |
| C27     | 192.70    | 1555.747   |
| H25     | 192.55    | 1556.959   |
| C24     | 192.40    | 1558.173   |
| H22     | 192.25    | 1559.389   |
| C21     | 192.10    | 1560.606   |
| H19     | 191.95    | 1561.826   |
| C18     | 191.80    | 1563.047   |
| H16     | 191.65    | 1564.271   |
| C15     | 191.50    | 1565.496   |
| H13     | 191.35    | 1566.723   |

## Package Information



32CH DWDM 19'' 1U Rack

## Order Information

| Product No.                | Product description                                                                |
|----------------------------|------------------------------------------------------------------------------------|
| DMD32-1U01-150GHZ-M-H13C60 | 150GHz 32CH DWDM MUX DEMUX 1529.553nm-1566.723nm with Monitor Port, LC/UPC 1U Rack |

**Note: We Support Customized Design, please contact us by email.**