

## 100G DWDM Module

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| <b>Features:</b>  |
| Low Insertion Loss & High Isolation<br>High Stability and Reliability |
| <b>Application:</b>   |
| DWDM Network  |

### Specifications:

| Parameter                                       | 1x2                             | 4 ch             | 8 ch         | 16ch  | 20ch  |
|---|---------------------------------|------------------|--------------|---|---|
| Channel Wavelength (nm)                         | ITU 100 GHz Grid                |                  |              |   |   |
| Center Wavelength Accuracy (nm)                 | ± 0.05                          |                  |              |   |   |
| Minimum Channel Spacing (GHz)                   | 100 (0.8nm)                     |                  |              |   |   |
| Channel Passband (@-0.5dB bandwidth) (nm)       | > 0.22                          |                  |              |   |   |
| Insertion Loss (dB)                             | P : < 0.8<br>R :>0.6            | < 2.0            | < 3.2        | < 4.5 (not include skip filter)<br>< 3.0(include skip filter) | < 5.5 (not include skip filter)<br>< 4.0(include skip filter) |
| Channel Ripple (dB)                             | < 0.3                           |                  |              |   |   |
| Insertion Loss (+ 1% Mon) (dB)                  | < +0.3                          |                  |              |   |   |
| Insertion Loss (+1310nm port) (dB)              | < +0.3                          |                  |              |   |   |
| Isolation                                       | Adjacent                        | P> 30<br>R> 15   | > 30         |   |   |
|   | Non-adjacent                    | > 40             |              |   |   |
| Insertion Loss Temperature Sensitivity (dB/°C ) | < 0.005                         |                  |              |   |   |
| Wavelength Temperature Shifting (nm/°C )        | < 0.002                         |                  |              |   |   |
| Polarization Dependent Loss (dB)                | < 0.10                          | < 0.10           | < 0.10       | < 0.15  |   |
| Polarization Mode Dispersion(ps)                | < 0.10                          |                  |              |   |   |
| Directivity (dB)                                | > 50                            |                  |              |   |   |
| Return Loss (dB)                                | > 45                            |                  |              |   |   |
| Power Handling (mW)                             | 300                             |                  |              |   |   |
| Operating Temperature (°C)                      | 0 ~+70                          |                  |              |   |   |
| Storage Temperature (°C)                        | -40 ~+85                        |                  |              |   |   |
| Package Dimension (mm)                          | 1=SUS<br>5.5x35<br>Glass        | 4=100x80x10      | 7=120x80x18  |   |   |
|   | 2=3.2x25                        | 5=Mini: 80x60x12 | 8=110x93x10  |   |   |
|   | 3=4.0x30                        | 6=100x45x10      | 9=141x115x18 |   |   |
|   | 10=LGX 1U L180xW129xH29         |                  |              |   |   |
|   | 11=Plug In Box 130x100x25mm     |                  |              |   |   |
|   | 12= 19"1U Rack L483xW330x44.5mm |                  |              |   |   |

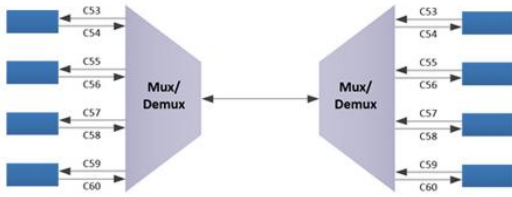
\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

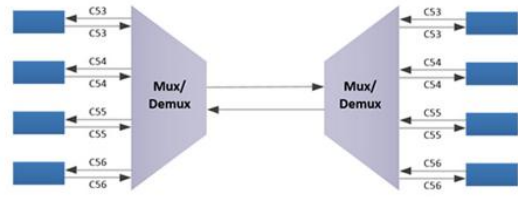
### Ordering Information

| DWDM | Mux/Demux        | Port                                   | Express Port  | Channel      | 0 | Package Type         | Pigtail Type                         | Length  | Connector   |
|------|------------------|--|---|--------------|---|----------------------|--------------------------------------|---|---|
|      | D=Memux<br>M=Mux | 04=1*4<br>08=1*8<br>16=1*16<br>20=1*20 | 0=No EXP/UPG/Monitor/1310nm<br>1=include EXP/UPG/Monitor/1310nm | XX=Start ITU |   | 1=P1<br>2=P2<br>3=P3 | 1=250um<br>2=900um<br>3=3mm<br>4=2mm | H=0.5m<br>8=0.8m<br>1=1.0m<br>A=2.5m<br>B=5.0m<br>S=Specify | 0=None<br>1=FC/UPC<br>2=FC/APC<br>3=SC/APC<br>4=SC/UPC<br>5=MU<br>6=LC/UPC<br>7=LC/APC<br>S=Specify |

### 100G DWDM Module

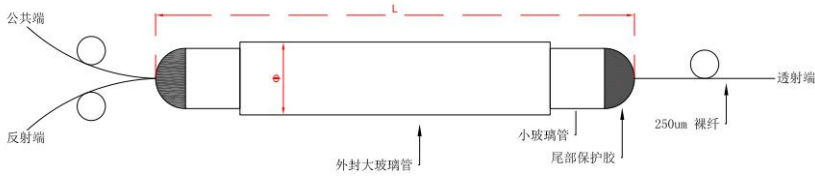


Single Fiber Bidirectional Transmission Mode  
The wavelength of MUX and DEMUX is different

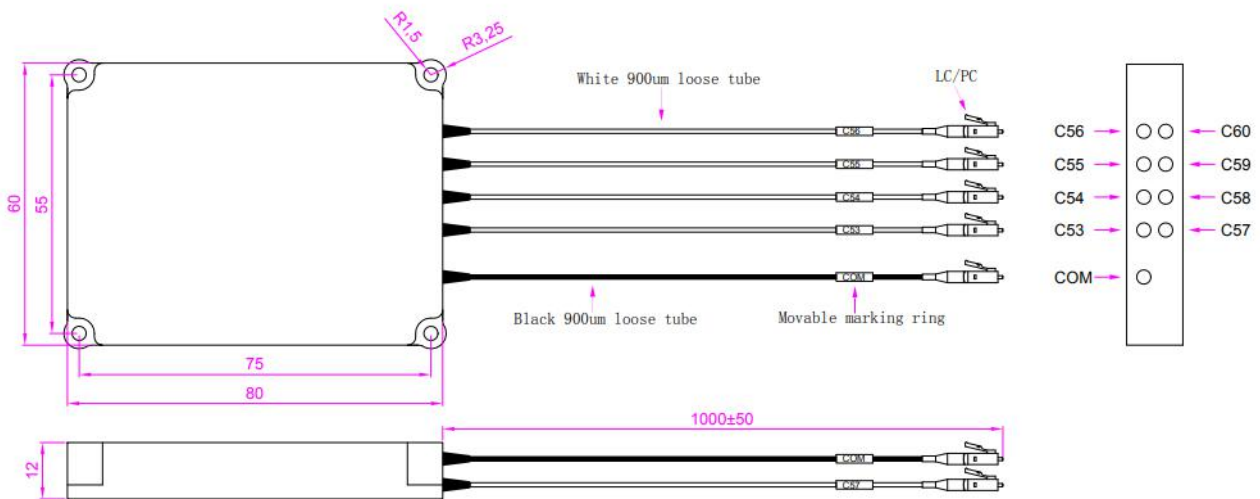


Dual Fiber Bidirectional Transmission Mode  
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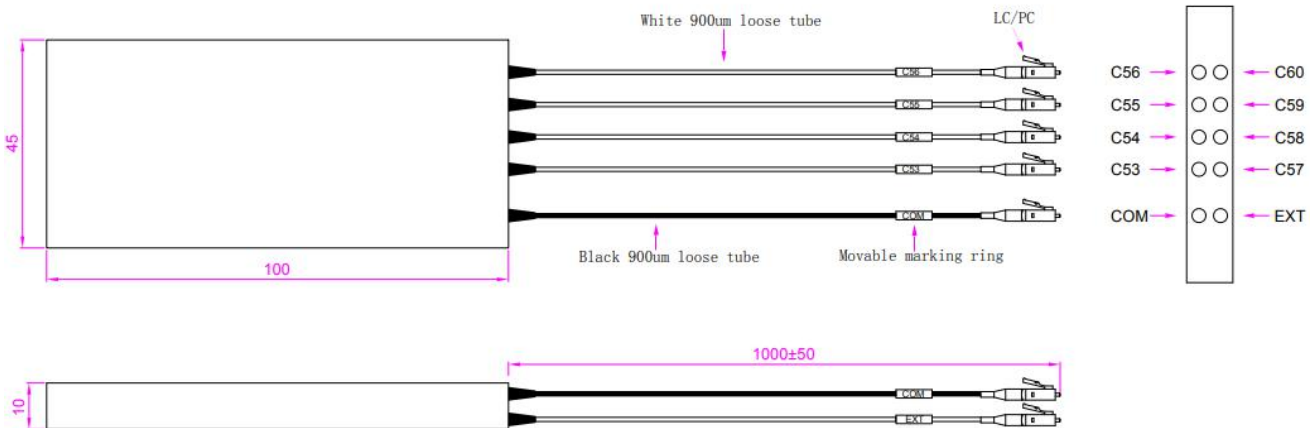
### Glass Tube Package



### MINI: ABS 80x60x12mm

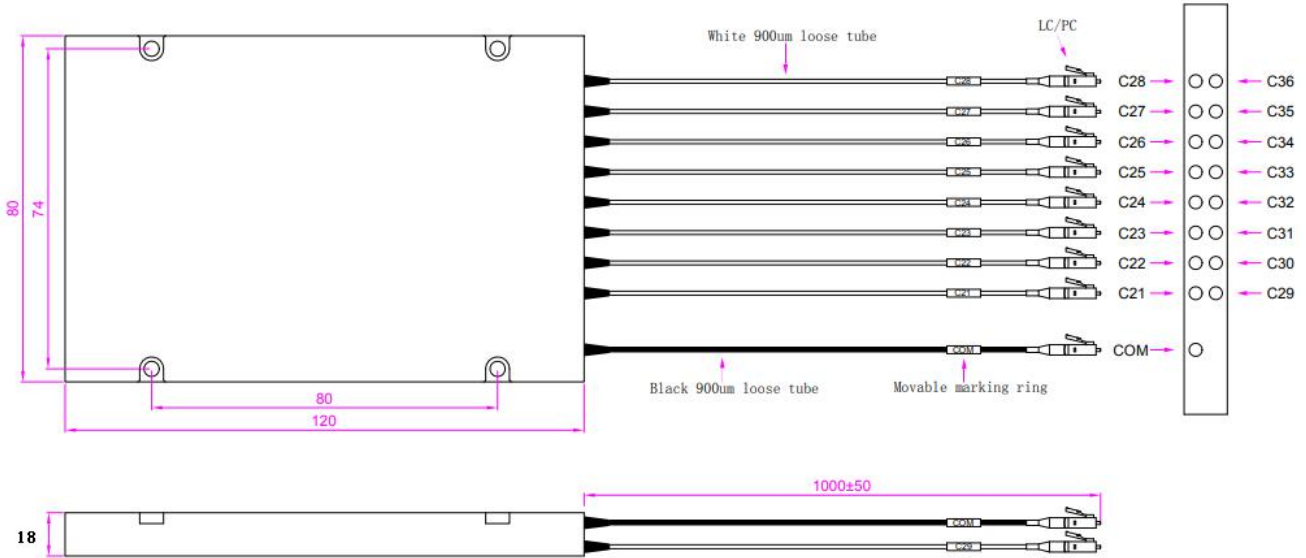


### 100x45x10mm

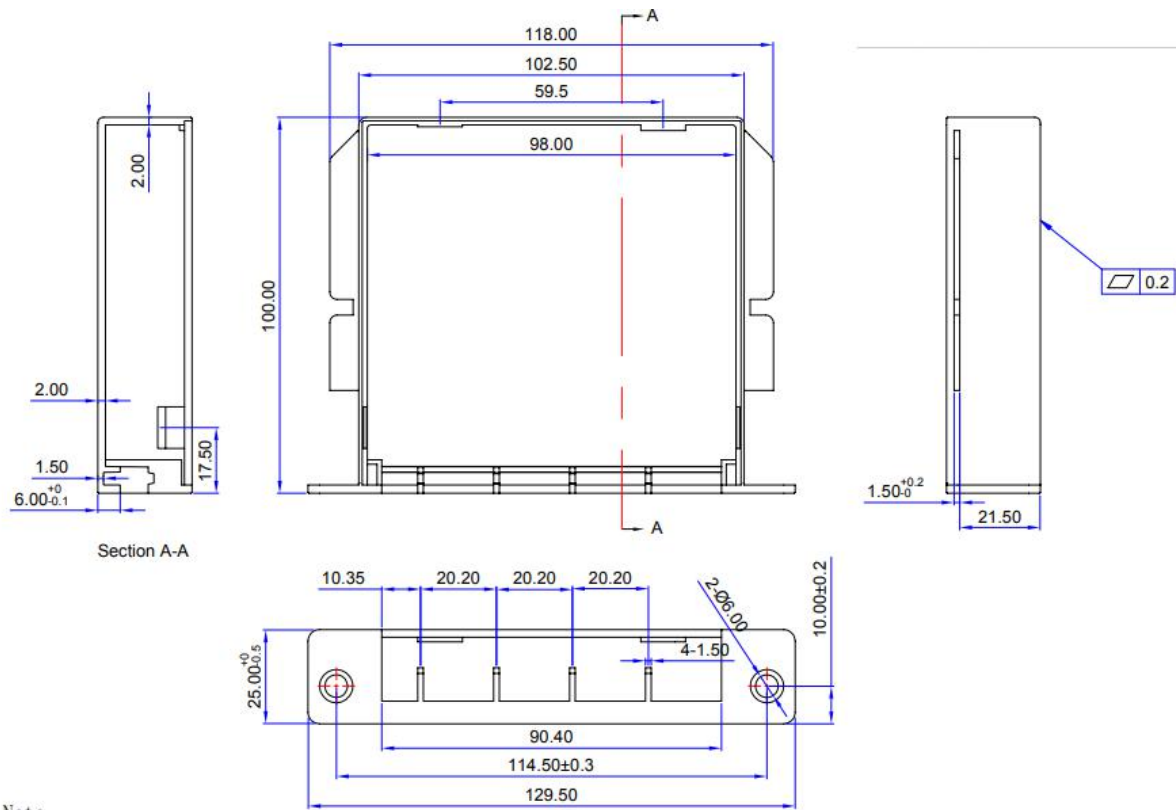


# 100G DWDM Module

120x80x18mm

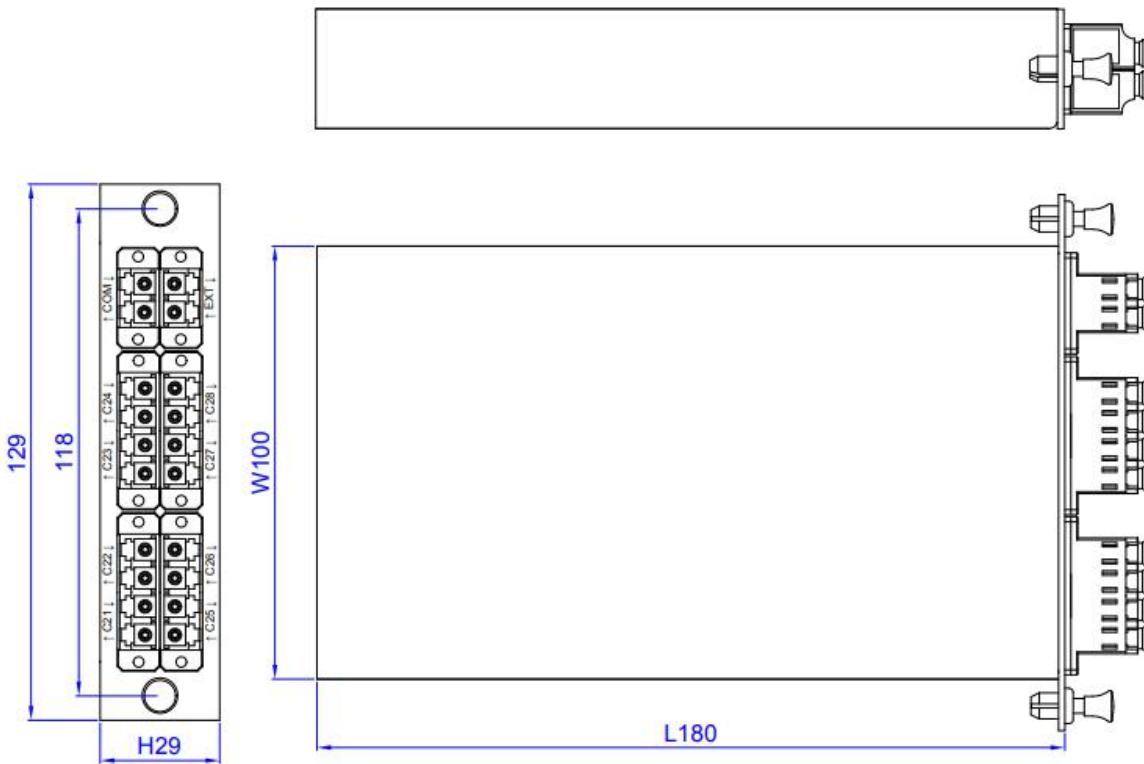


Plug In Box 130x100x25mm



# 100G DWDM Module

LGX 1U L180xW129xH29



19"1U Rack L483xW330x44.5mm

