

## Features

-  Low Insertion Loss
-  Low PDL
-  High Channel Isolation
-  Epoxy-free on Optical Path
-  High Stability and reliability

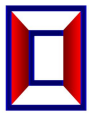
## Applications

-  WDM System
-  Line Monitoring
-  Cellular Application
-  Telecommunication
-  Fiber Optical amplifier
-  Access network



## Specifications

| Parameter                                    |                        | 4 Channel           |       | 8 Channel |       | 16 Channel |       | 18 Channel |       |
|----------------------------------------------|------------------------|---------------------|-------|-----------|-------|------------|-------|------------|-------|
|                                              |                        | Mux                 | Demux | Mux       | Demux | Mux        | Demux | Mux        | Demux |
| Center Wavelength （nm）                       |                        | 1270~1610/1271~1611 |       |           |       |            |       |            |       |
| Center wavelength Accuracy (nm)              |                        | ±0.5                |       |           |       |            |       |            |       |
| Channel Spacing (nm)                         |                        | 20                  |       |           |       |            |       |            |       |
| Channel Passband<br>(@-0.5dB bandwidth)(nm)  |                        | ±7.5/±6.5           |       |           |       |            |       |            |       |
| Insertion Loss （dB）                          |                        | ≤1.5                |       | ≤2.5      |       | ≤3.5       |       | ≤3.5       |       |
| Channel Uniformity （dB）                      |                        | ≤0.6                |       | ≤1.0      |       | ≤1.5       |       | ≤1.5       |       |
| Isolation (dB)                               | Adjacent               | > 30                |       |           |       |            |       |            |       |
|                                              | Non-adjacent           | > 40                |       |           |       |            |       |            |       |
| Isolation (dB)                               | Express with filter    | > 30                |       |           |       |            |       |            |       |
|                                              | Express without filter | > 12                |       |           |       |            |       |            |       |
| Channel Ripple （dB）                          |                        | <0.3                |       |           |       |            |       |            |       |
| Insertion Loss Temperature Sensitivity(dB/℃) |                        | <0.005              |       |           |       |            |       |            |       |
| Wavelength Temperature Shifting(nm/℃)        |                        | <0.002              |       |           |       |            |       |            |       |
| Polarization Dependent Loss （dB）             |                        | <0.1                |       |           |       |            |       |            |       |
| Polarization Mode Dispersion （ps）            |                        | <0.1                |       |           |       |            |       |            |       |
| Directivity （dB）                             |                        | > 50                |       |           |       |            |       |            |       |
| Return Loss （dB）                             |                        | >45                 |       |           |       |            |       |            |       |
| Maximum Power Handling （mW）                  |                        | 300                 |       |           |       |            |       |            |       |

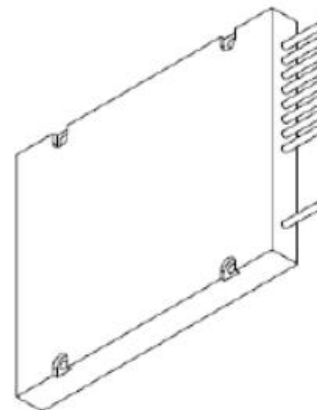
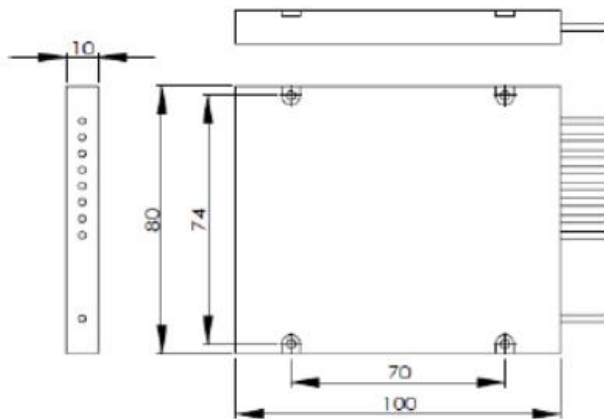


|                                     |               |
|-------------------------------------|---------------|
| Operating Temperature(°C)           | -40~+85       |
| Storage Temperature(°C)             | -40~+85       |
| Package dimension (mm) (Glass tube) | 5.5*25        |
| Package dimension (mm) (Steel tube) | 5.5*34        |
| Package dimension(mm) (ABS box)     | L100×W80×H10  |
|                                     | L120×W80×H18  |
|                                     | L141×W115×H18 |

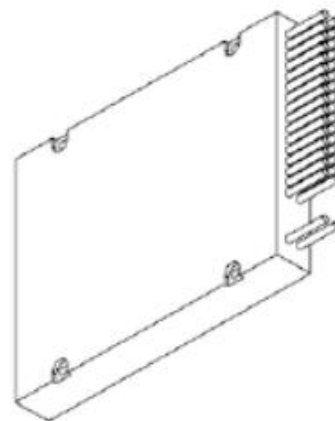
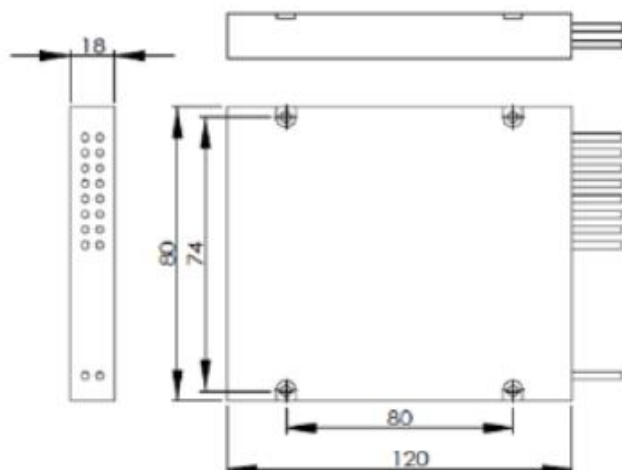
Note: 1、Above specifications are for devices without connector.2、Specifications may change without notice.

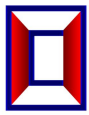
### Dimension (Unit:mm)

#### 100×80×10mm

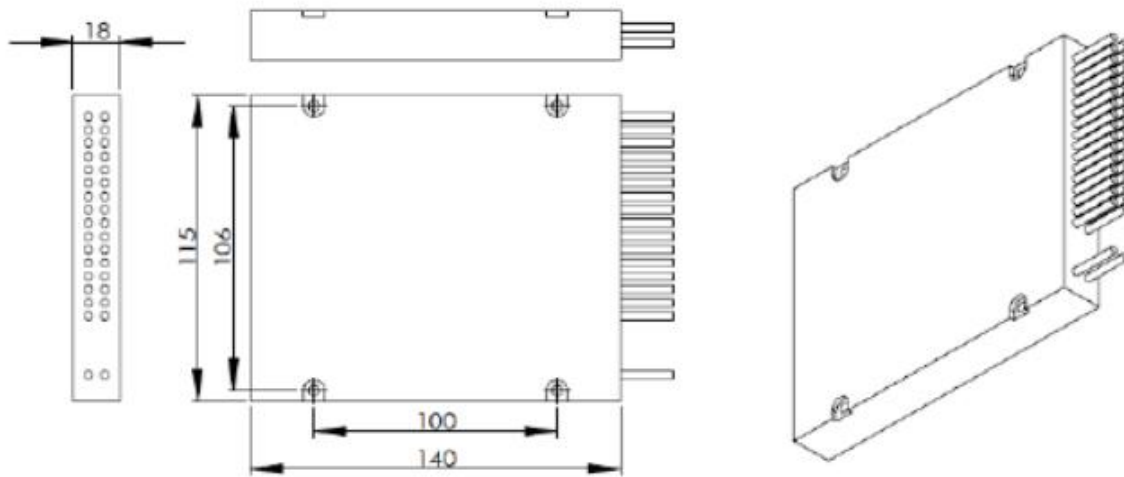


#### 120×80×18mm





140×115×18 mm



**Ordering Information HC - CWDM - A - B - C - D - E - F**

| A                                                                             | B                                                                  | C                          | D                                                                | E                         | F                                                                                 |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------|------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|
| Number of Channels                                                            | 1st Channel                                                        | Configuration              | Fiber Type                                                       | Fiber Length              | Connector                                                                         |
| 04:4 Channel<br>08:8 Channel<br>16:16 Channel<br>18:18 Channel<br>N:N Channel | 27:1270nm<br>.....<br>47:1470nm<br>49:1490nm<br>.....<br>61:1610nm | M:Mux<br>D:Demux<br>O:OADM | 1:Bare fiber<br>2:900um loose tube<br>3:2mm Cable<br>4:3mm Cable | 1:1m<br>2:2m<br>S:Specify | 0:None<br>1:FC/APC<br>2:FC/PC<br>3:SC/APC<br>4:SC/PC<br>5:ST<br>6:LC<br>S:Specify |