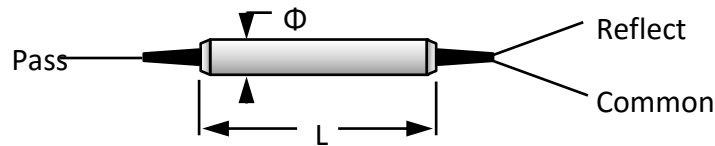


## PM Coarse Wavelength Division Multiplexer ( PM CWDM)

The Polarization Maintaining Coarse Wavelength Division Multiplexer (PM CWDM) is based on thin-film filter technology compliant to ITU standard. It provides single channel add or drop function, or it can be cascaded into sequence for multi-channel applications in CWDM systems. 1x4, 1x8, 1x16 PM CWDM Modules are



### Features

- ITU Standard
- Low Insertion Loss
- High Channel Isolation
- High Extinction Ratio

### Applications

- CWDM System
- PON
- Optical Communications

### Performance Specification

| Parameter                                  | Value  | Unit |
|--|--|------|
| Center Wavelength                          | ITU, ITU+1 (1270, 1290, 1310 ... 1550, 1570, 1590, 1610) | nm   |
| Passband                                   | ±6.5   | nm   |
| Max. Insertion Loss (Common to Pass)       | 0.6  | dB   |
| Max. Insertion Loss (Common to Reflect)    | 0.4  | dB   |
| Min. Channel Isolation (Common to Pass)    | 30   | dB   |
| Min. Channel Isolation (Common to Reflect) | 12   | dB   |
| Max. Ripple                                | 0.3  | dB   |
| Min. Extinction Ratio                      | 20   | dB   |
| Max. PMD                                   | 0.1  | ps   |
| Min. Directivity                           | 50   | dB   |
| Min. Return Loss                           | 45   | dB   |
| Max. Optical Power (Continuous Wave)       | 500 (higher power available upon request)                | mW   |
| Max. Tensile Load                          | 5  | N    |
| Fiber Type                                 | PM Panda fiber   |      |
| Operating Temperature                      | -5 to +70  | °C   |
| Storage Temperature                        | -40 to +85   | °C   |
| Package Dimension                          | ∅5.5×L35 or Plastic Module                               | mm   |

### Note

\* For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.

\* Specifications may change without notice.

### Ordering Information

#### PMCWDM-A-BB-C-DD-EE

| A               | BB                           | C               | DD           | EE           |
|-----------------|------------------------------|-----------------|--------------|--------------|
| Configuration   | Center Wavelength (ITU Grid) | Fiber Jacket    | Fiber Length | Connector    |
| 1 - 1 Channel   | 01 - CH01                    | B - 250um Bare  | 05 - 0.5m    | NE - None    |
| 2 - 2 Channel   | 02 - CH02                    | Fiber           | 08 - 0.8m    | FA - FC/APC  |
| 4 - 4 Channel   | ...                          | L - 900um Loose | 10 - 1.0m    | FP - FC/PC   |
| 8 - 8 Channel   | 60 - CH60                    | Tube            | 15 - 1.5m    | SA - SC/APC  |
| 16 - 16 Channel |                              |                 | SS - Specify | SP - SC/PC   |
|                 |                              |                 |              | LA - LC/APC  |
|                 |                              |                 |              | LP - LC/PC   |
|                 |                              |                 |              | SS - Specify |