

## Coarse Wavelength Division Multiplexer Module (4 channels/8channels)

### Features

Wide Passband  
Low Insertion Loss  
High Channel Isolation  
Excellent Environmental Stability

### Applications

CWDM Systems  
Fiber Lasers  
Research

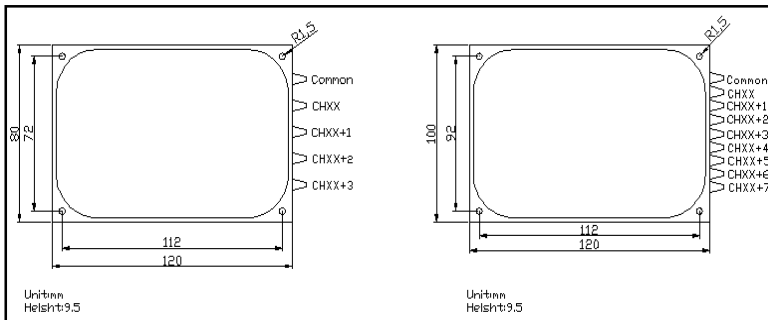
### Specifications

Parameters	Unit	4-channel	8-channel
Center Wavelength Range	nm	1511, 1531, 1551, 1571	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Pass Band	nm	±6.5	±6.5
Insertion Loss	dB	≤1.8	≤2.8
Adjacent Ch. Isolation (Mux)	dB	N/A	N/A
Adjacent Ch. Isolation (Demux)	dB	≥25	≥25
Non. Adjacent Ch. Isolation (Demux)	dB	≥40	≥40
Return Loss	dB	≥50	≥50
Directivity	dB	≥55	≥55
PDL	dB	≤0.1	≤0.1
PMD	ps	≤0.2	≤0.2
Thermal Stability	°C	≤0.005	≤0.006
Max. Optical Power (CW)	mW	500	500
Max. Tensile Load	N	5	5
Fiber Type		SMF-28e Fiber	SMF-28e Fiber
Operating Temperature	°C	-5 to +70	-5 to +70
Storage Temperature	°C	-40 to +85	-40 to +85
Package Dimensions	mm	120*80*9.5	120*100*9.5

\*Above specifications are for module without connector.

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

### Package Dimensions



### Ordering Information

**ACWDMM-①-②-③-④-⑤-⑥**

#### ①: Wavelength

1 - 1511nm, 1531nm, 1551nm, 1571nm  
2 - 1471nm, 1491nm, 1591nm, 1611nm  
3 - 1471nm, 1491nm, 1511nm, 1531nm  
4 - 1511nm, 1531nm, 1591nm, 1611nm  
5 - 1471nm, 1491nm, 1511nm, 1531nm,  
1551nm, 1571nm, 1591nm, 1611nm

#### ②: Module Type

M - MUX  
D - DEMUX

#### ③: Number of Channels

4 - 4 Channels  
8 - 8 Channels

#### ④: Connector Type

1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify

#### ⑤: Fiber Jacket

B - 250um Bare Fiber  
L - 900um Loose Tube  
C - 3mm Loose Cable  
S - Specify

#### ⑥: Fiber Length

0.5 - 0.5m  
S - Specify