

Rev	Date	Modified by	Description
A0	2023		

## Product Specifications

### 4,8,16,18-CH Coarse Wavelength Division Multiplexer Module

**PN: EMC-04(8/16/18)**

#### Features

- Low Insertion Loss
- Low PDL
- High Isolation
- Excellent Environment Reliability

#### Applications

- WDM System
- MAN
- CATV System

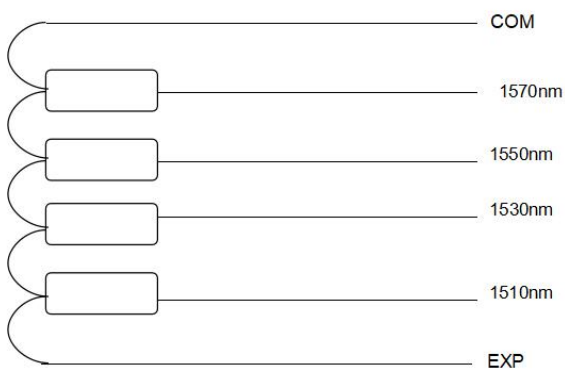
#### Performance Specifications

Parameter	4 Channel	8Channel	16Channel	18Channel
Center Wavelength (nm)	1510~1570	1470~1610	1310~1610	1270~1610
Center Wavelength Accuracy (nm)	±0.5			
Channel Spacing (nm)	20			
Channel Passband (@-0.5dB bandwidth) (nm)	>13			
Insertion Loss (dB)	≤1.9	≤2.7	≤5.3	≤5.9
Channel Ripple (dB)	≤0.5			
Isolation (dB)	Adjacent	≥30		
	Non-adjacent	≥40		
Polarization Dependent Loss (dB)	<0.2			

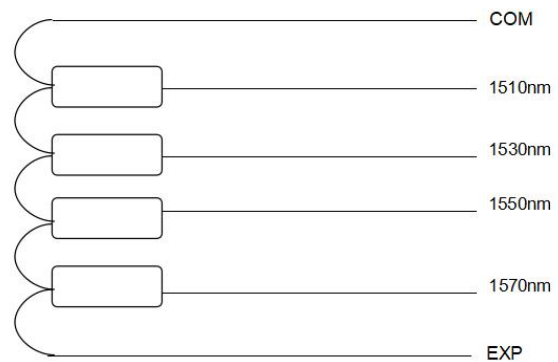
Polarization Mode Dispersion (ps)	<0.1			
Directivity (dB)	≥50			
Return Loss (dB)	≥45			
Maximum Power Handling (mW)	300			
Operating Temperature (°C)	-10~+70			
Storage Temperature (°C)	-40~+85			
Package Dimension (mm)	100×80×10	100×80×10	L120 x W80 x H18	L140 x W115 x H18

## 4CH:

### Mux

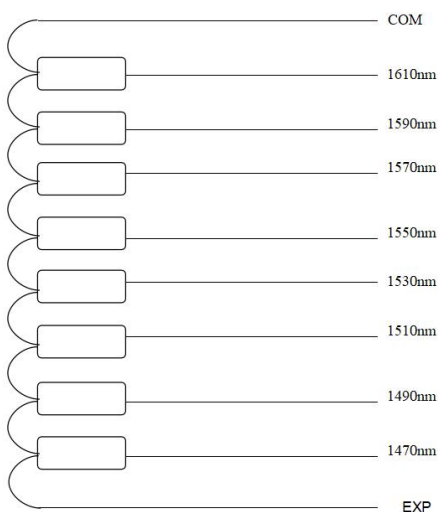


### Demux



## 8CH:

### Mux



### Demux

