

Rev	Date	Modified by	Description
A0	2023		

## Product Specifications

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

**PN: EMC-04(8)**

#### Features

- Low insertion loss
- Wide pass band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

#### Applications

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber optical amplifier
- Access Network

#### Performance Specifications

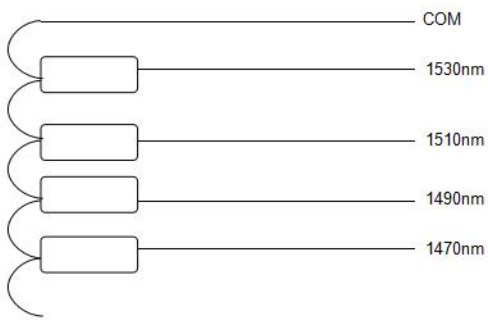
Parameters		8CH Mux	4CH Demux
Channel Wavelength (nm)		1470-1610	1470-1530
Channel Spacing (nm)		20	
Channel Passband (@-0.5dB bandwidth (nm))		>13	
Insertion Loss (dB)		≅ 2.7	≅ 1.7
Channel Ripple (dB)		≅ 0.5	
Isolation (dB)	Adjacent	≅ 30	
	Non-adjacent	≅ 40	
Polarization Dependent Loss (dB)		≅ 0.2	
Polarization Mode Dispersion (ps)		≅ 0.2	

Return Loss (dB)	$\cong 50$
Directivity	$\cong 45$
Max Power Handling (mW)	300
Operating Temperature (°C)	-10 ~ +70
Storage Temperature (°C)	-40 ~ +85
Package Dimension (mm)	L100 x W80x H10

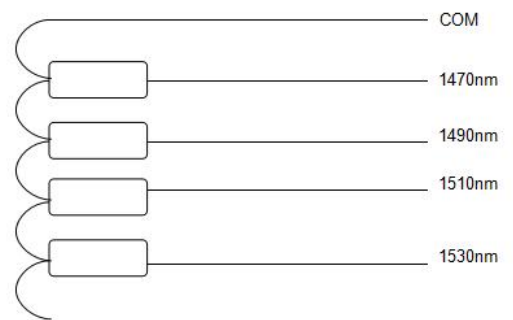
Note: All parameters are for device with connectors.

## 4CH:

### Mux

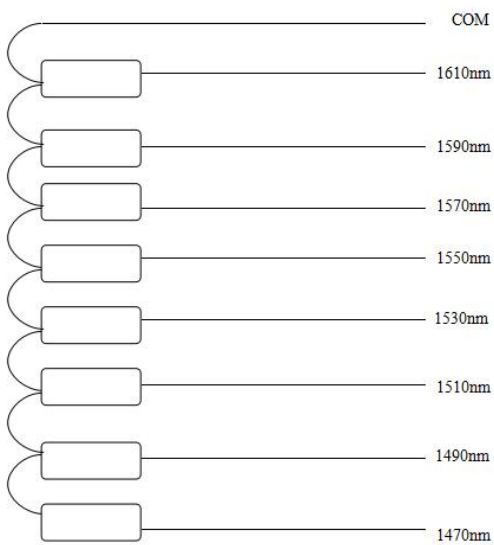


### Demux

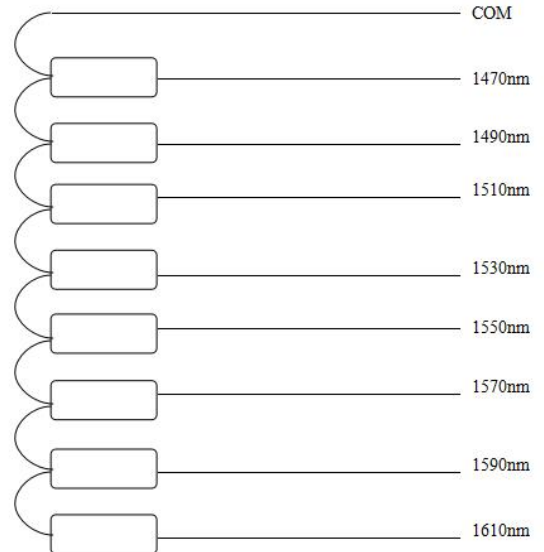


## 8CH:

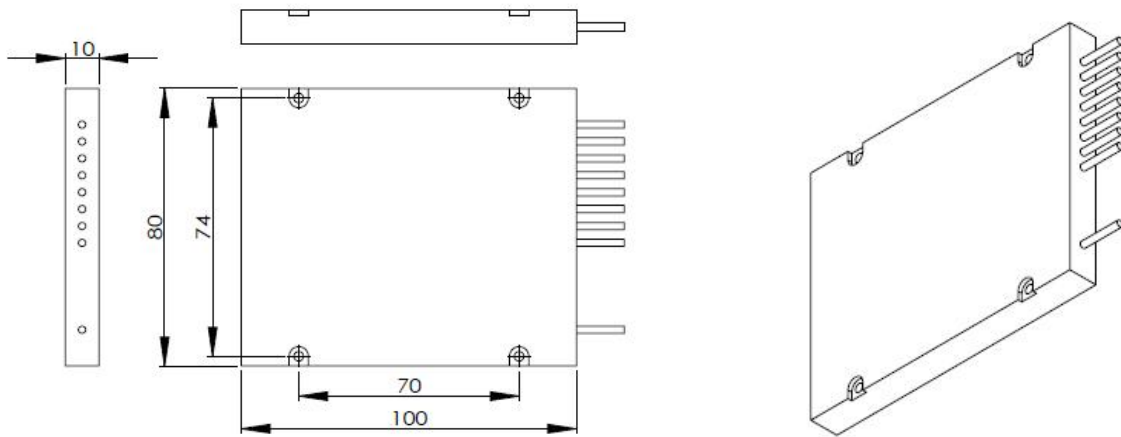
### Mux



### Demux



## ABS box Dimension:100×80×10 mm



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