

## Flyin 8-Channel CWDM Mux/Demux module

Flyin Optronics' Coarse wavelength division multiplexer (CWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

### Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

### Applications

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

### Specification

Parameter	8 Channel	
	Mux	Demux
Channel Wavelength (nm)	1270~1610/1271~1611	
Center wavelength Accuracy (nm)	±0.5	
Channel Spacing (nm)	20	
Channel Passband (@-0.5dB bandwidth (nm)	+/-7.5/+/-6.5	
Insertion Loss (dB)	≤2.5	
Channel Uniformity (dB)	≤1.0	
Channel Ripple (dB)	0.3	
Isolation (dB)	Adjacent	>30
	Non-adjacent	>40
Isolation (dB)	Express with filter	>30
	Express without filter	>12
Inertion Loss Temperature Sensitivity (dB/°C)	<0.005	
Wavelength Temperature Shifting (nm/°C)	<0.002	
Polarization Dependent Loss (dB)	<0.1	
Polarization Mode Dispersion	<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) (ABS box)	A: L120 x W80 x H18 B: L140 x W114 x H18

Specification may change without notice.

Above specification are for device without connectors.

## Ordering Information

CWDM	X	XX	X	XX	X	X	XX
	Channel Spacing	Number of Channels	Configuration	1st Channel	Fiber Type	Fiber Length	In/Out Connector
	C=CWDM Grid	04=4 Channel 08=8 Channel 16=16 Channel 18=18 Channel N=N Channel	M=Mux D=Demux O=OADM	27=1270nm ..... 47=1470nm 49=1490nm ..... 61=1610nm SS=special	1=Bare fiber 2=900um Loose tube 3=2mm Cable 4=3mm Cable	1=1m 2=2m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC S=Specify