

## Flyin 4,8,16,18-Channel CWDM Mux/Demux in 1U Rackmount

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

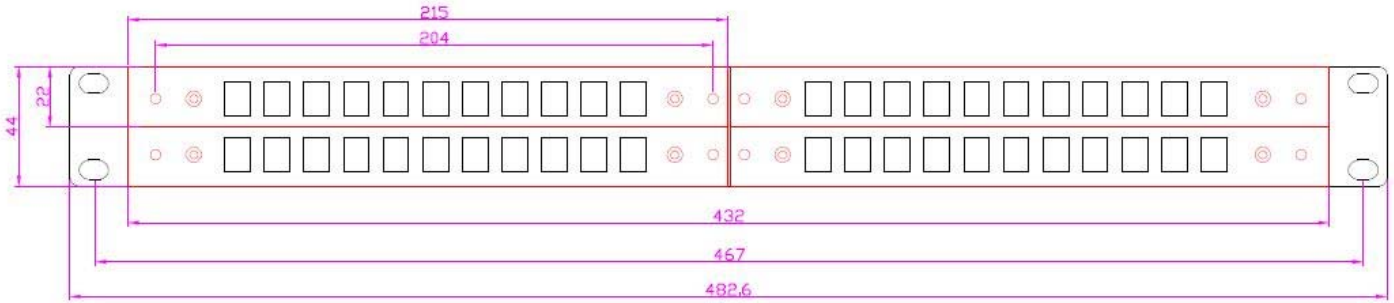
Parameter	4 Channel		8 Channel		16 Channel		18 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	1270~1610/1271~1611							
Center wavelength Accuracy (nm)	±0.5							
Channel Spacing (nm)	20							
Channel Passband (@-0.5dB bandwidth (nm))	+/-7.5/+/-6.5							
Insertion Loss (dB)	≤1.5		≤2.5		≤3.5		≤3.5	
Channel Uniformity (dB)	≤0.6		≤1.0		≤1.5		≤1.5	
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) (LGX box)	L432 (482.6) xW165*H44 or Specify

Specification may change without notice.

Above specification are for device without connectors.

### Package Dimension



### 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