

## 8+1 Channel CWDM

### Description

Takfly's CWDM Mux & Demux ABS module is a wavelength division multiplexing technology based on TFF(thin film filter), with a variety of wavelength optional. It multiplexes optical signals of different wavelengths into a single fiber for transmission, and demultiplexes the optical signals into signals of different wavelengths at the receiver end. CWDM has occupied an important position in the access layer of MAN because of its wide band and low requirements for system equipment.



### 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

## Specifications

Parameters			Unit	Specifications
Channel Count			Ch	8+1
Channel Center Wavelength			nm	1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610/UPGRADE1270-1350
Channel Passband	Min		nm	±7.5
Insertion Loss	Max		dB	<2.2
Isolation	Adjacent Channel	Min	dB	30
	Non-Adjacent Channel	Min	dB	40
Passband Ripple	Max		dB	0.3
Polarization Dependent Loss	Max		dB	0.1
Directivity	Min		dB	55
Return Loss	Min		dB	50
Polarization Mode Dispersion	Max		ps	0.1
Power Handling	Max		mW	500
Pigtail and Connector Type	COM			0.9/mm <b>black</b> loose tube with connector
	Other ports			0.9/mm <b>white</b> loose tube with connector
Fiber Type				SMF-28e
Fiber length			m	≥1
Operating Temperature			°C	-10 ~ 70
Storage Temperature			°C	-40 ~ 85
Package Dimension			mm	ABS module

**Remark:**Specifications include connector.