TAKFLY COMMUNICATIONS CO., LTD.
Add: Takfly Industrial Park,Longsheng Community,Dalang Street, Longhua District, Shenzhen,518109,China.
Tel:+86-755-28106528 Fax: +86-755-23777278

CCWDM

Description

The CCWDM (Compact Coarse Wavelength Division Multiplexer) MUX/DEMUX is a multi-channel CWDM device with compact package designed for cost-effective multi-wavelength CWDM network applications. CCWDM is the use of the Fiber Optical Multiplexer to different wavelengths of light signals multiplexed to a single optical fiber for transmission, at the receiving end of the link, with the Fiber Optical Multiplexer fiber mixed signal is decomposed into different wavelengths signal, connected to the respective receiving device. It is based on the Thin Film Filter (TFF) technology and free-space technology platform.

Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability

Applications

- CWDM System
- PON Networks
- CATV Links

Specifications

Parameter		4 Channel	8 Channel	8+E1 Channel	8+E2 Channel
Channel Wavelength(nm)		1270~1610 / 1271~1611			
Channel Spacing(nm)		20			
Passband(nm)	Channels	±6.5			
	Upgrade port			1310±50	1260~1457
Isolation (dB)	Adjacent	>30			
	Non-Adjacent	>40			
	Upgrade port	>15			
Insertion Loss(dB)		≤1.0	≤1.5	≤1.6	≤1.8

TAKFLY COMMUNICATIONS CO., LTD.
Add: Takfly Industrial Park,Longsheng Community,Dalang Street, Longhua District, Shenzhen,518109,China.
Tel:+86-755-28106528 Fax: +86-755-23777278

Channel Uniformity(dB)			≤1.2	≤1.2
Channel Ripple(dB)	<0.3			
Fiber Type	Corning SMF-28 with 900nm loose tube			
Polarization Dependent Loss(dB)	<0.15			
Polarization Mode Dispersion(PS)	<0.1			
Directivity(dB)	>50			
Return Loss (dB)	>45			
Maximum Power Handling(mW)	500			
Operating Temperature(℃)	-5~+75			
Storage Temperature(℃)	-40~85			
Package dimension(mm)	P1: L44 x W25 x H6 ; P2: L53.8xW28xH8 ; P3: L54 x H7.4			

Note:

1. Above specification are for device without connector.
2. P1 and P2: Fiber egress on both side; P3: Fiber egress on one side.

Order Information

CCWDM	Channel No.	Channel	Pigtail Type	Fiber length	Connector	Package dimension (mm)
M=Mux D=Demux	04=4 Channel 08=8 Channel 16=16 Channel N=N Channel ……	27=1270nm 47=1470nm 49=1490nm …… 61=1610nm SS=special…	0=250um 1=900um loose tube	1=1m 2=1.5m 3=others	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC	P1: L44 x W25 x H6 P2: L53.8xW28xH8 P3: L54 x H7.4