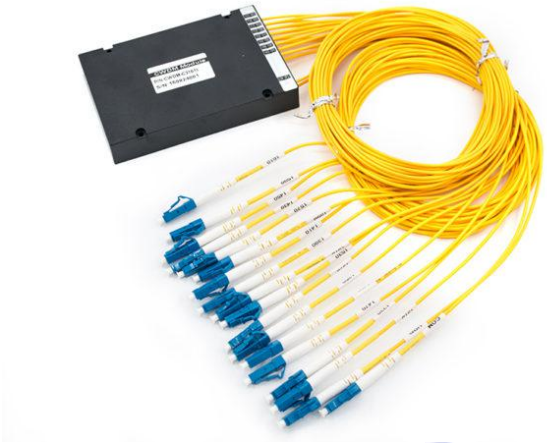
1xN FWDM Module

1、Cable Drawing



2、Description

(FWDM) Filter-based wavelength division multiplexer , based on Thin Film Filter (TFF) technology,The device combines or separates light at different wavelengths in a wide wavelength range. It can expand the capacity of a single fiber to achieve bidirectional communication, so that widely used in optical network upgrade and expansion, or introduce new comprehensive business etc.

XDK provides filter-based wavelength division multiplexing (WDM) filter devices that are customized to the particular wavelength bands for your special applications.

3、Features

- Low Insertion Loss, Low PDL & PMD
- Excellent Channel Isolation
- High stability & reliability
- Epoxy free on optical path
- Ultra Flat Wide Passband
- Wide Operating Wavelength Range

4、Application

- WDM networks and fiber optics instrumentation
- EDFA，Raman amplifier，CATV
- Accessing LAN Networks

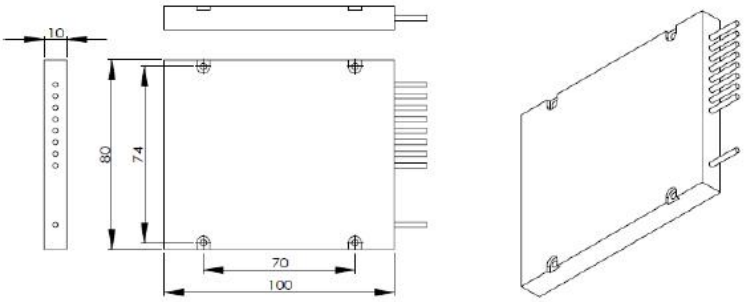
5、Specification

Parameter		4 Channel	8 Channel	16 Channel	32 Channel
CATV Wavelength Range (nm)		1540~1560			
PON Wavelength Range (nm)		1260~1360&1480~1500			
Insertion Loss（dB）	CATV	≤8	≤11.6	≤14.5	≤17.8
	PON	≤0.6	≤0.6	≤0.6	≤0.6
Isolation（dB）	CATV	>30			
	PON	>15			
Inertion Loss Temperature Sensitivity(dB/℃)		<0.005			
Polarization Dependent Loss（dB）		<0.1			
Polarization Mode Dispersion（ps）		<0.1			
Directivity (dB)		>50			
Return Loss（dB）		>50			
Maximum Power Handling（mW）		300			
Cable Diameter (mm)		0.9, 2.0 or 3.0			
Opterating Temperature (℃)		-20~+70			
Storage Temperature(℃)		-40~+85			
Package Dimention (mm)	For 4 CH	L100×W80×T10			
	For 8 CH	L120×W80×T18			
	For 16,32 CH	L140×W114×T18			

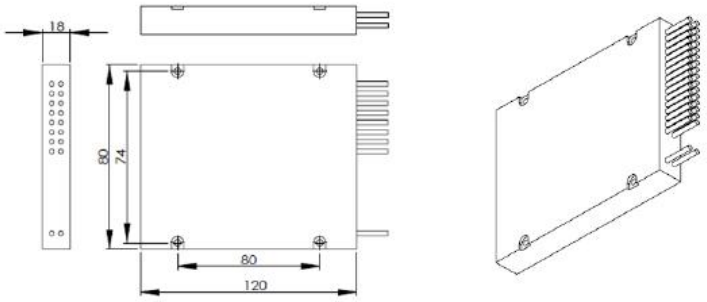
Notes:

1. All values specified are without connectors.
2. IL will increase 0.2dB when add one connector.
3. Customized service is available.

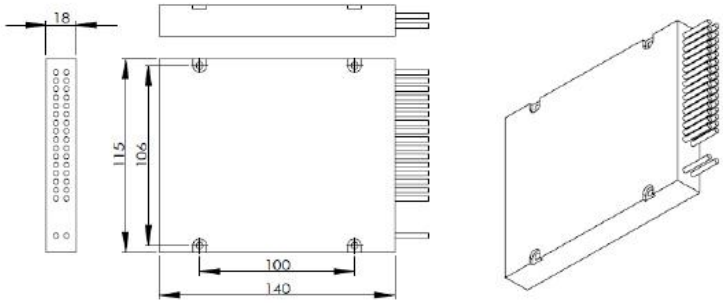
6、Dimension



A: 100X80X10 ABS box



B: 120X80X18 ABS box



C: 140X115X18 ABS box