

Item	DWDM Module 4, 8,16 Channel
Model No.	DWDM
Description	100GHz Dense Wavelength Division Multiplexer
	

Overview

100GHz dense wavelength division multiplexer (DWDM module) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add and drop at the ITU wavelengths. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. It can be used for wavelength add/drop in telecommunication network system.

Features

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

Application

- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- CATV fiberoptic System

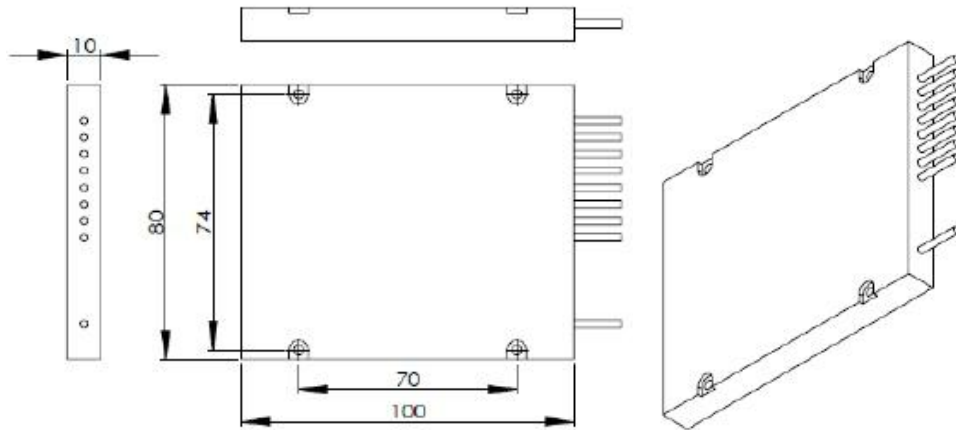
Technical Indexes

Parameter		4 Channel	8 Channel	16 Channel
		Mux		Demux
Channel Wavelength(nm)		ITU 100 GHz Grid		
Channel Spacing (GHz) GHz)		100		
Channel Passband (@-0.5dB bandwidth) (nm)		≥0.22		
Insertion Loss(dB) with connector		≤1.6	≤2.8	≤4.2
Channel Ripple(dB)		0.3		
Isolation(dB)	Adjacent	>30		
	Non-adjacent	>40		
Insertion Loss Temperature Sensitivity(dB/℃)		≤0.005		
Wavelength Temperature Shifting(nm/℃)		<0.002		
Polarization Dependent Loss(dB)		<0.1		
Polarization Mode Dispersion(PS)		<0.1		
Directivity(dB)		>50		
Return Loss (dB)		>50		
Maximum Power Handling(mW)		500		
Operating Temperature(℃)		-10~80		
Storage Temperature(℃)		-40~85		
dimension (mm) (ABS or Aluminium)		L100xW80xH10 (A: 2 CH~8CH Module) L120xW80xH18 (B:9 CH~16CH Module)) L140xW115xH18 (C: >16CH Module))		

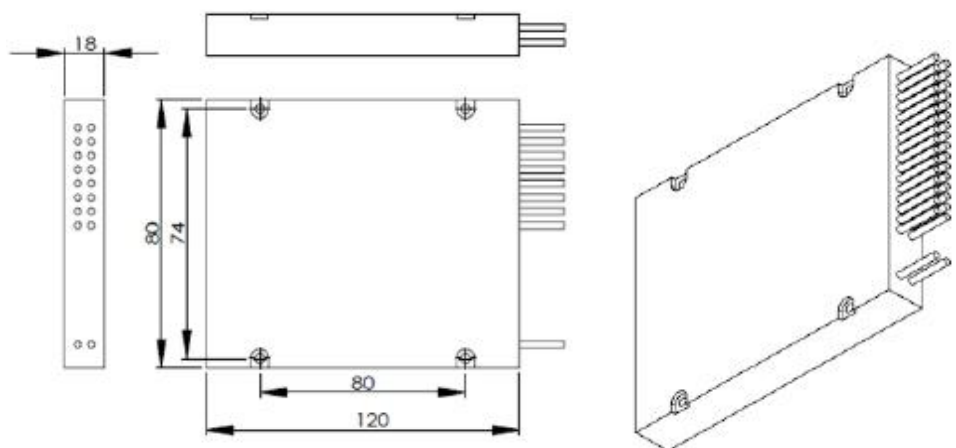
Order information

Type	Channel Spacing	Channel No.	Channel	Fiber type	Pigtail Type	Fiber length	Connector
DWDM	50=50G	02=2 Channel	O:1260~1360nm	1-G652D	A-Bare fiber	00-Other	1-FC/PC
	100=100G	04=4 Channel	E+S:1360~1530nm	2-G657A	B-900um loose tube	05-0.5m	2-FC/APC
	200=200G	16=16 Channel	C:1530~1565nm	3-Other	C-900um tight tube	10-1m	3-SC/PC
		N=N Channel	L:1565~1625nm		D-2.0mm loose tube	15-1.5m	4-SC/APC
			C20= 1561.42 nm		E-3.0mm loose tube	20-2 m	5-LC/PC
							6-LC/APC
							7-Other

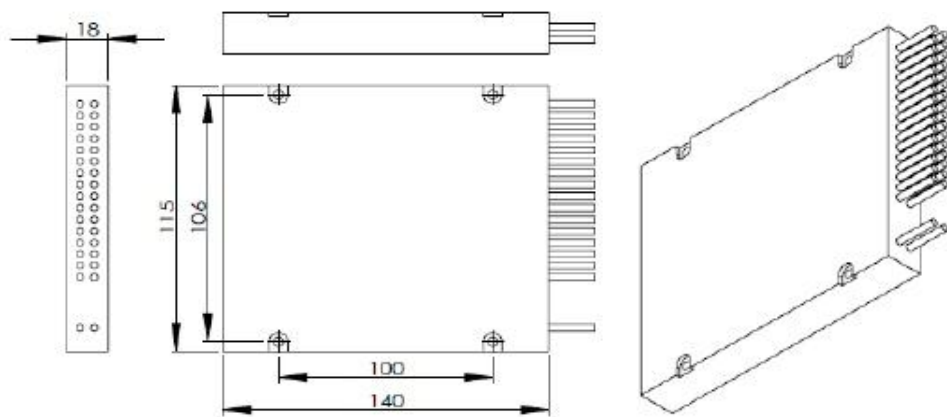
Package Dimension



A: 100X80X10 ABS box



B: 120X80X18 ABS box



C: 140X115X18 ABS box