



CWDM Mux/Demux Module (4,8,16,18-Channel)



Shenzhen Optostar Optoelectronics Co., Ltd

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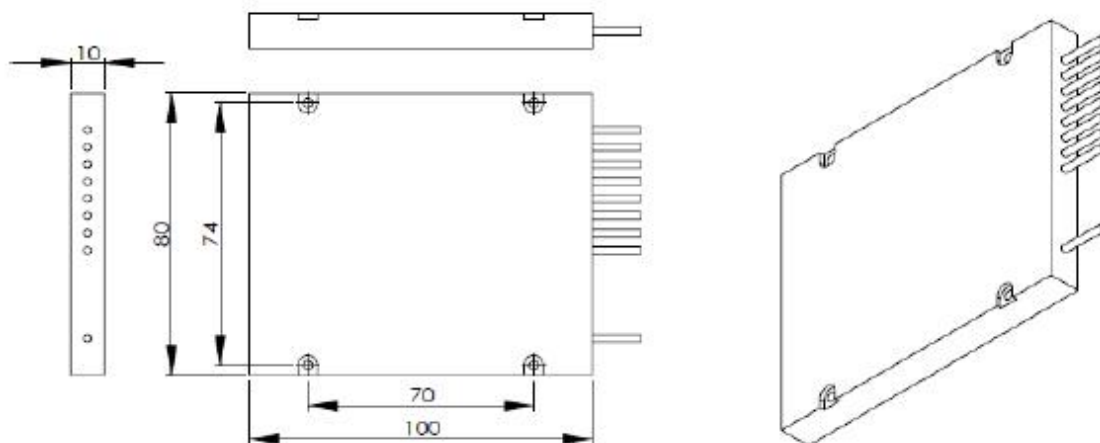
Overview

OPTOSTAR' 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.

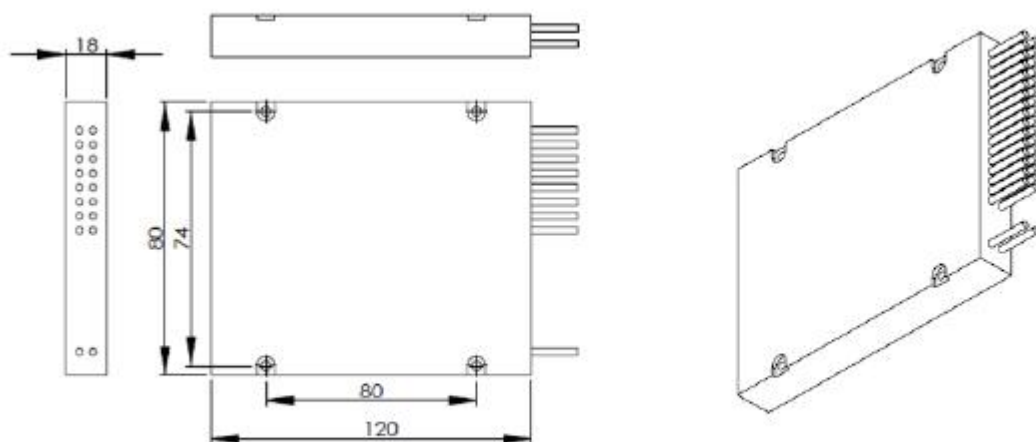
Product Features

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

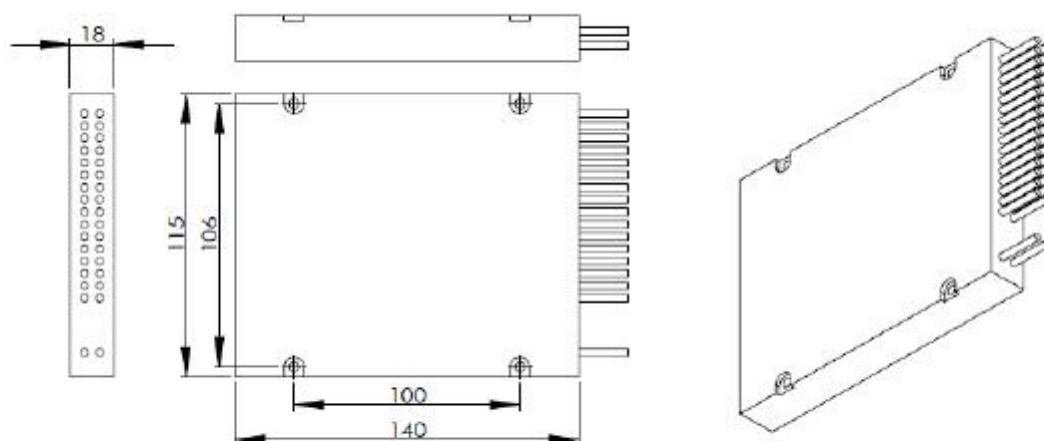
Package Dimension



A: 100X80X10 ABS box



B: 120X80X18 ABS box



C: 140X115X18 ABS box

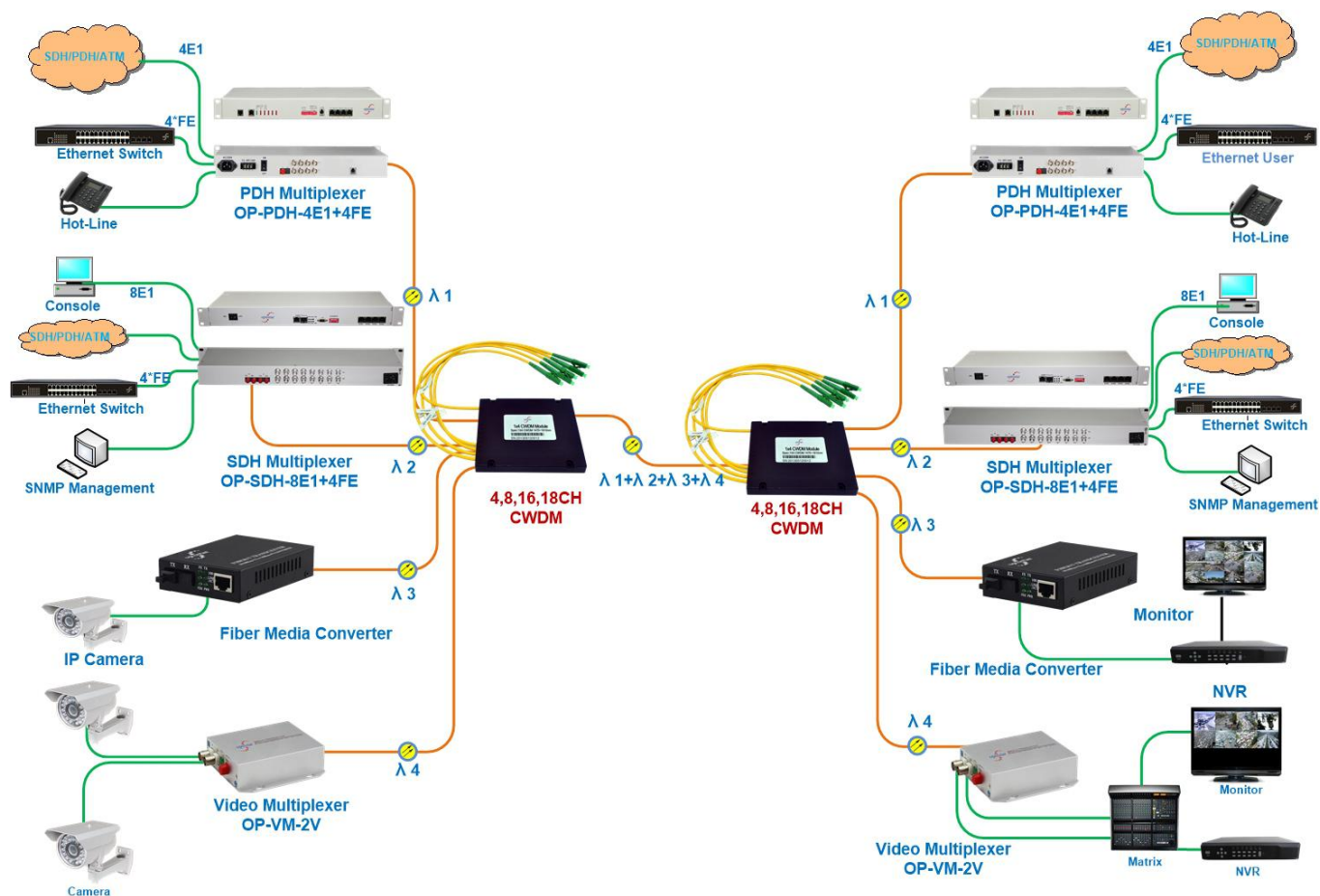
Technical Parameter

Parameter		4 Channel		8 Channel		16 Channel		18 Channel	
		Mux	Demux	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength（nm）		1270~1610 or 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							
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）		>45							
Maximum Power Handling（mW）		300							
Operating Temperature(℃)		-40~+85							
Storage Temperature（℃）		-40~+85							
Package dimension (mm) (Glass tube)		Ø5.5*25							
Package dimension (mm) (Steel tube)		Ø5.5*34							
Package dimension (mm) (ABS box)		A: L100×W80×H10							
		B: L120×W80×H18							
		C: L140×W115×H18							

1、Above specifications are for devices without connector.

2、Specifications may change without notice.

Application



- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical amplifier
- Access Network

Order Information

Description
CWDM Mux/Demux (4,8,16,18-Channel)
Note: Number of Channels: 4 Channel,8 Channel,16 Channel,18 Channel,N Channel(Optional) Configuration: Mux, Demux, OADM(Optional) Fiber Type: Bare fiber,900um loose tube,2mm Cable,3mm Cable(Optional) Fiber Length: 1m,2m,Specify(Optional) Connector: None,FC/APC,FC/PC,SC/APC,SC/PC,LC,ST,Specify(Optional) 1st Channel:1270nm,1290nm,1310nm,1330nm,1350nm,1370nm,1390nm,1410nm,1430nm,1450nm,1470nm,1490nm,1510nm, 1530nm,1550nm,1570nm,1590nm,1610nm,specify(Optional)

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

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