



100GHz DWDM Module(4,8,16,32 Channel)



Shenzhen Optostar Optoelectronics Co., Ltd

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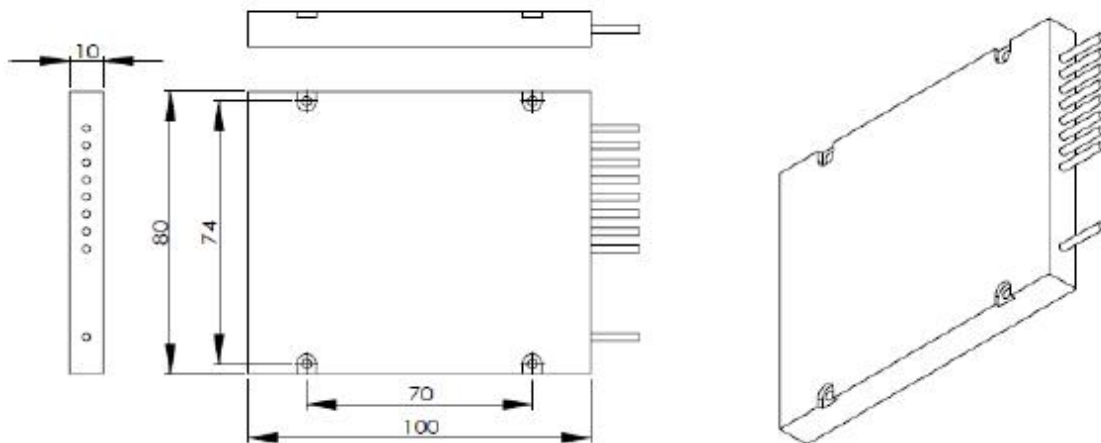
Overview

OPTOSTAR' 100GHz dense wavelength division multiplexer (DWDM) 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.

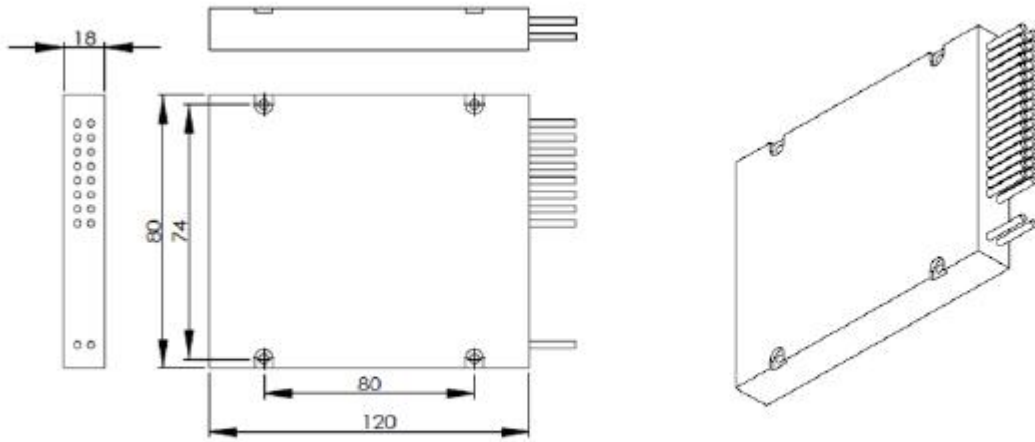
Product Features

- Low Insertion Loss
- Wide pass band
- High channel
- High stability and reliability
- Epoxy free on optical path

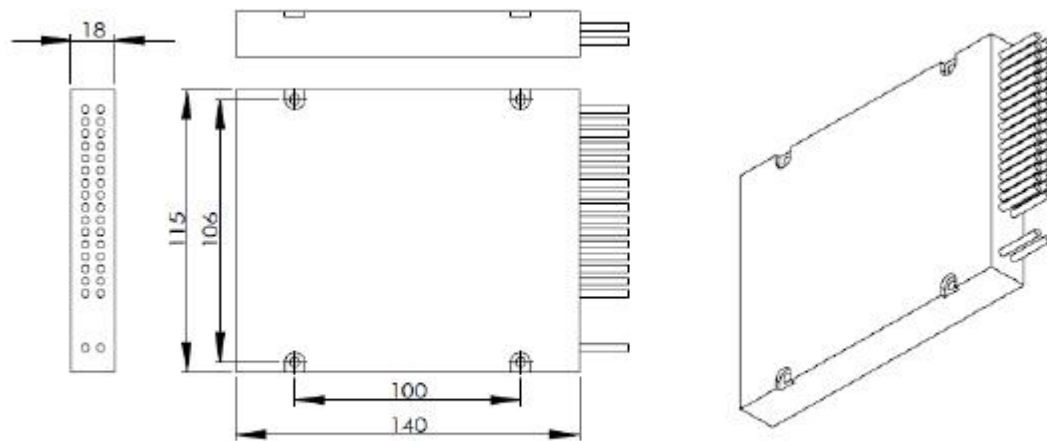
Package Dimension



A: 100X80X10 ABS box



B: 120X80X18 ABS box



C: 140X115X18 ABS box

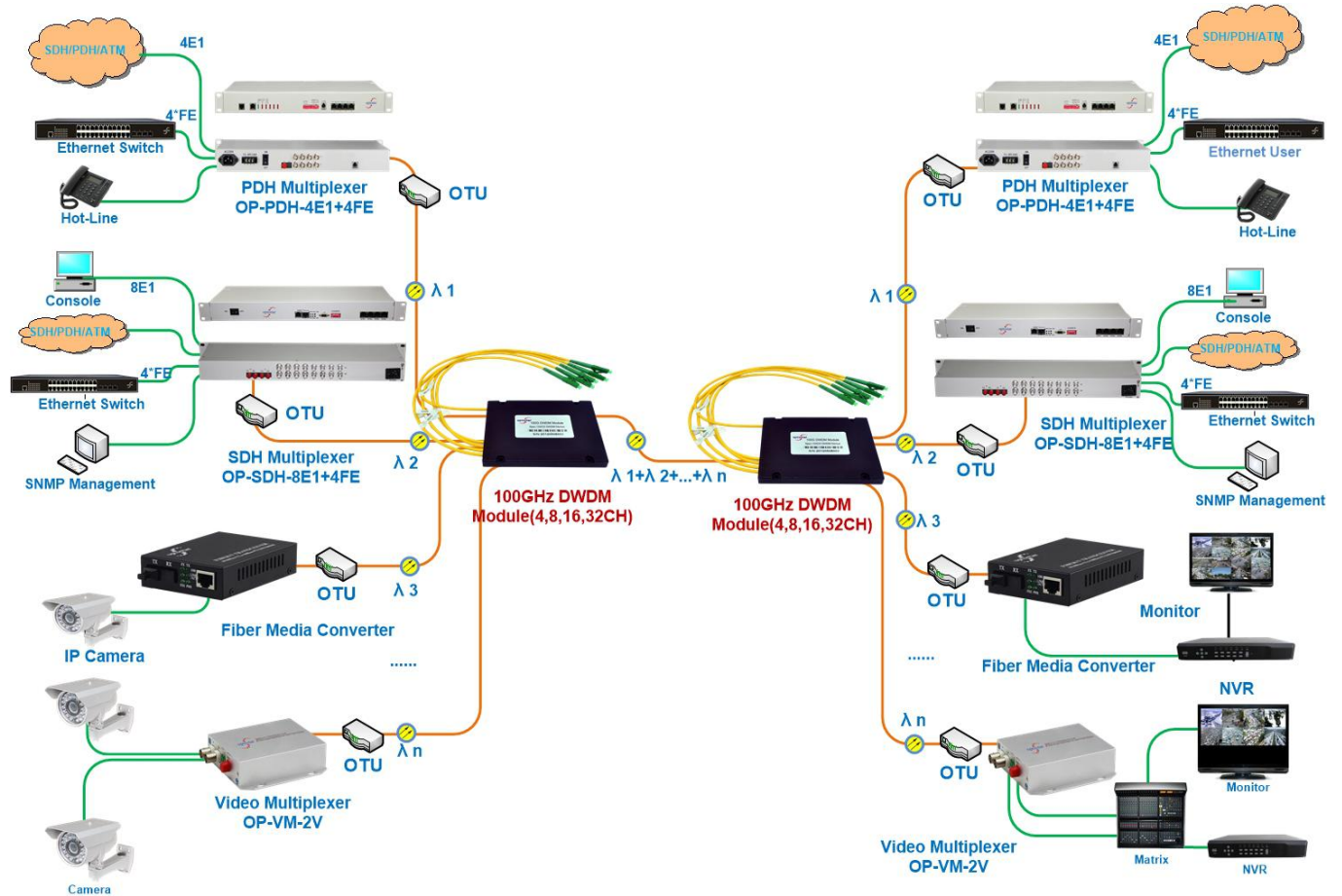
Technical Parameter

Parameter	4-Channel		8-Channel		16/32-Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	ITU 100GHz Grid					
Channel Spacing (nm)	100					
Channel Passband (@-0.5dB bandwidth(nm))	>0.25					

Insertion Loss (dB)		≤1.8		≤3.7		≤5.5	
Channel Uniformity (dB)		≤0.6		≤1.0		≤1.5	
Channel Ripple (dB)		<0.3					
Isolation (dB)	Adjacent	N/A	>30	N/A	>30	N/A	>30
	Non-adjacent	N/A	>40	N/A	>40	N/A	>40
Insertion Loss Temperature Sensitivity(dB/°C)(dB/°C)		<0.005					
Wavelength Temperature Shifting (nm/°C)		<0.002					
Polarization Dependent Loss (dB)		<0.1		<0.1		<0.15	
Polarization Mode Dispersion (ps)		<0.1					
Directivity (dB)		≥50					
Return Loss (dB)		≥45					
Maximum Power Handling (mW)		300					
Operating Temperature(°C)		-5~+75					
Storage Temperature (°C)		-40~+85					
Package dimension(mm)		A: L100×W80×H10					
		L120×W80×H18					
		L141×W115×H18					

- 1、Above specifications are for devices without connector.
- 2、Specifications may change without notice.

Application



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



Order Information

Description
100GHz DWDM Module(4,8,16,32 Channel)
Note: Number of Channels: 4 Channel, 8 Channel, 16 Channel, 32 Channel Configuration: Mux, Demux Fiber Type: Bare fiber, 900um loose tube, 2mm cable, 3mm cable Fiber Length: 1m, 2m In/Out Connector: None, FC/APC, FC/PC, SC/APC, SC/PC, ST, LC Number of Channels: C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61

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.

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