



200GHz DWDM Module(4,8,16,32 Channel)



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 05 (Version 2)

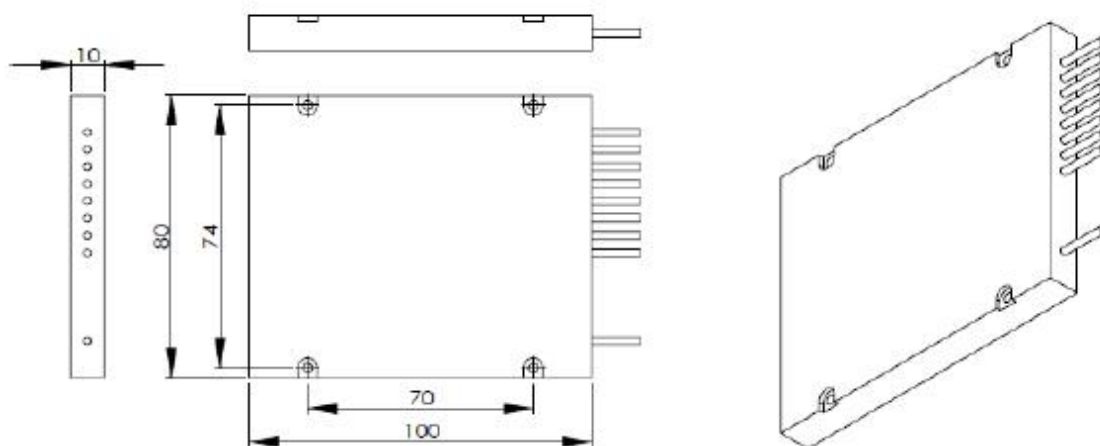
Overview

OPTOSTAR' 200GHz 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.

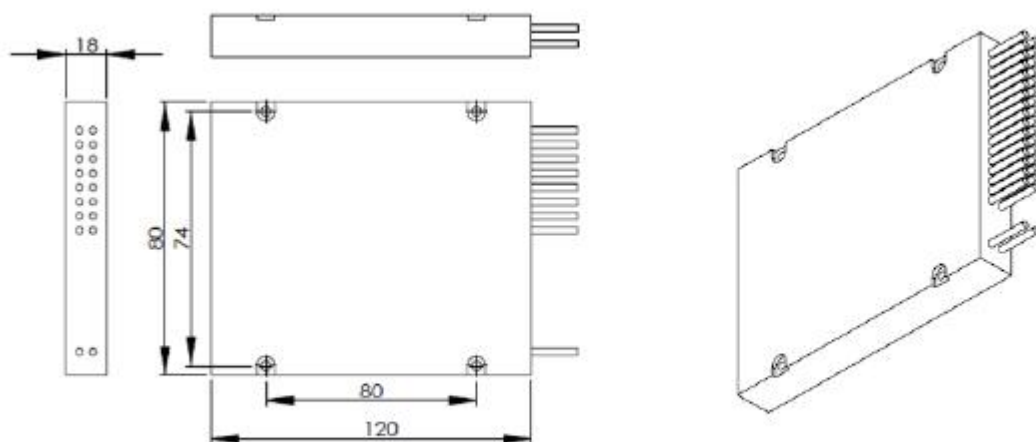
Product Features

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

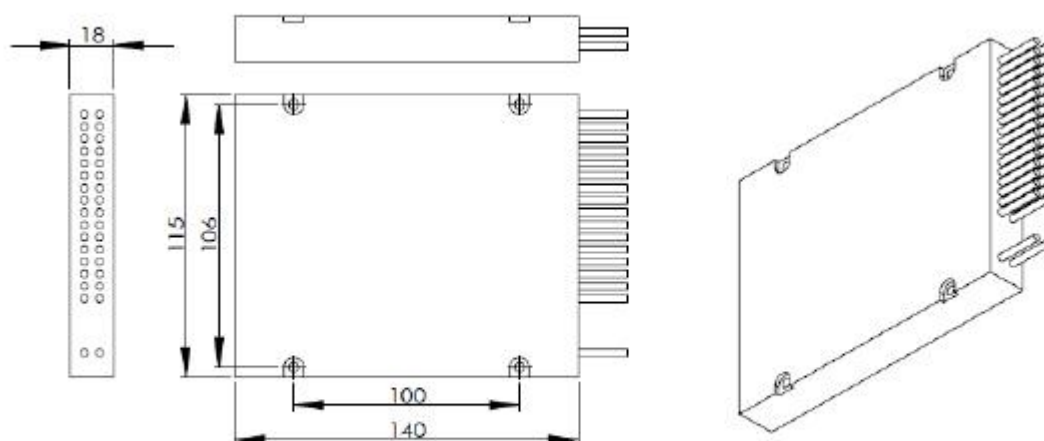
Package Dimension



A: 100X80X10 ABS box



B: 120X80X18 ABS box



C: 140X115X18 ABS box

Technical Parameter

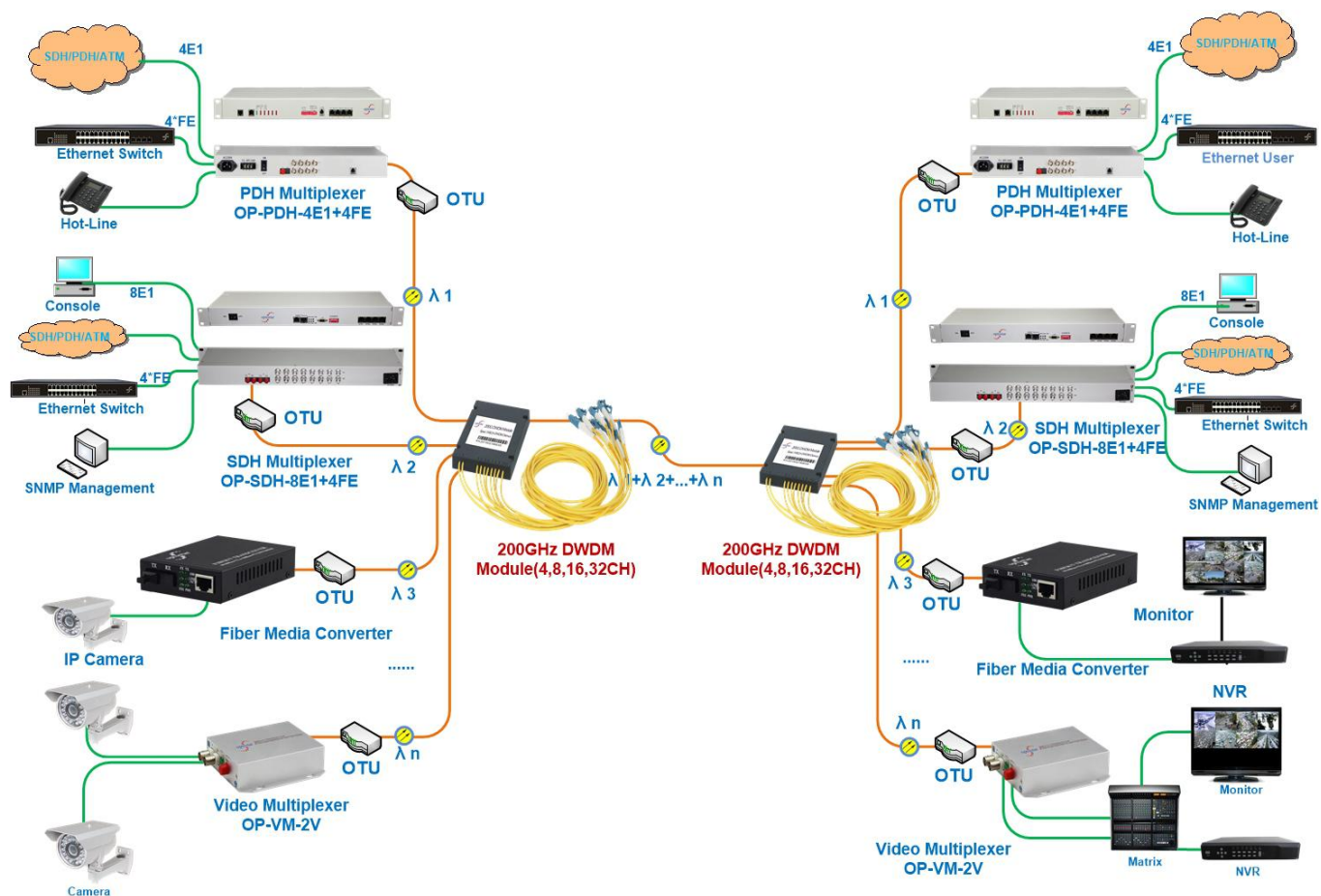
Parameter	4-Channel		8-Channel		16/32-Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	ITU 200GHz Grid					
Channel Spacing (nm)	200					

Channel Passband (@-0.5dB bandwidth)(nm)		>0.5					
Insertion Loss (dB)		≤1.6		≤3.5		≤4.2	
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)		<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
200GHz 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, custom In/Out Connector: None, FC/APC, FC/PC, SC/APC, SC/PC, ST, LC, custom 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.

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.

Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn