



100G,200G 1X2 DWDM Device (3Ports)



Shenzhen Optostar Optoelectronics Co., Ltd

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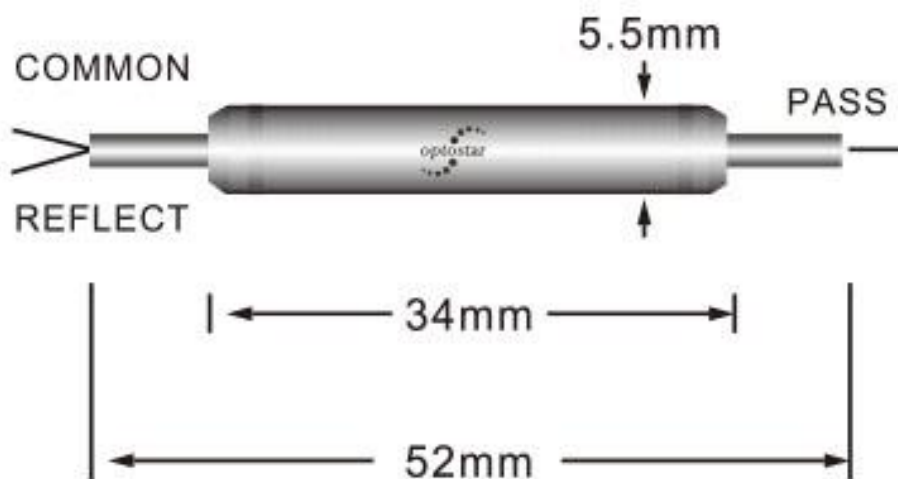
Overview

OPTOSTAR' 100GHz/200GHz 1x2 wavelength multiplexer utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add or drop at a ITU wavelength. 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

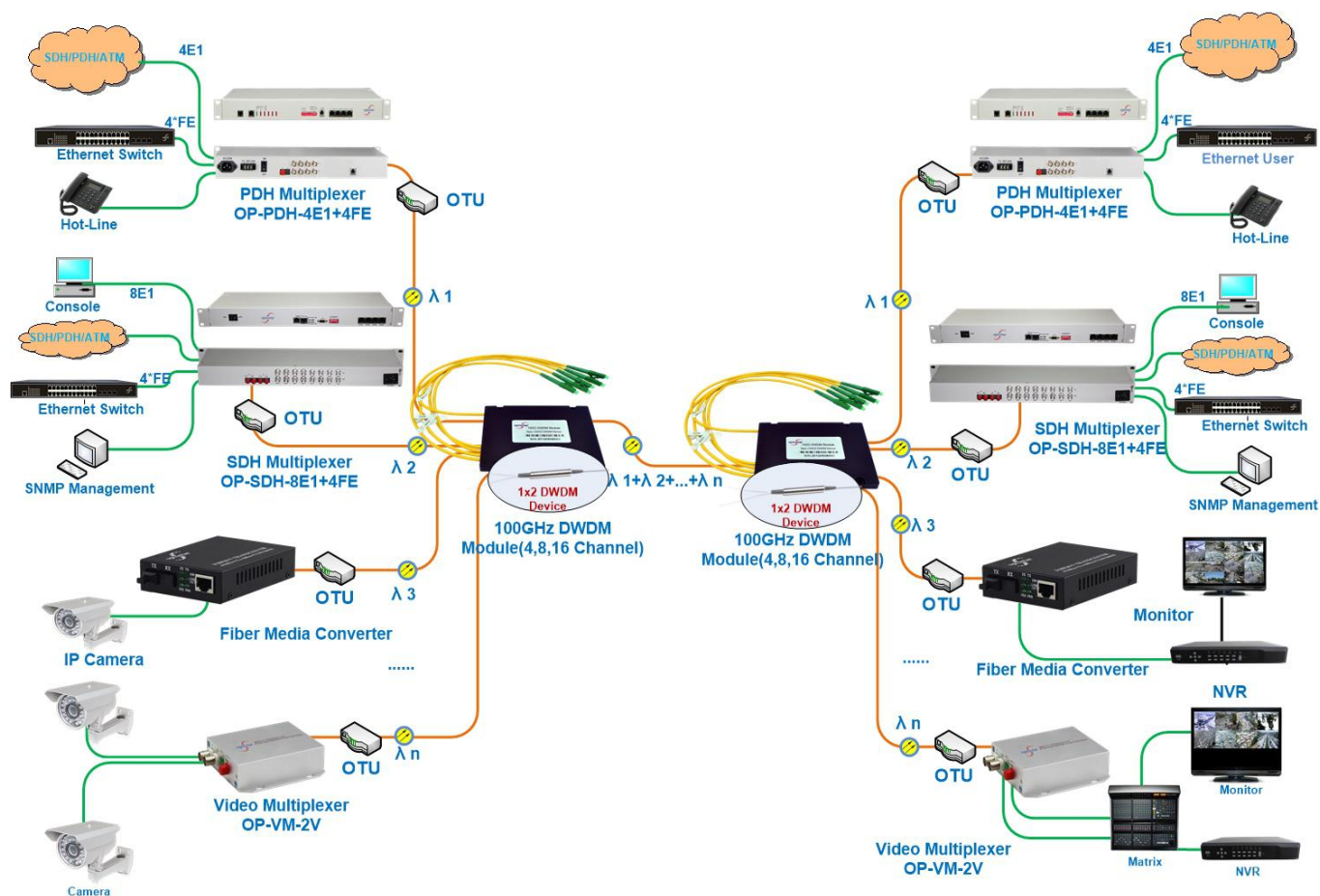


Technical Parameter

Parameter		Mux/Demux	
Channel Wavelength (nm)		ITU Grid	
Channel Spacing (GHz)		100	200
Channel Passband (@-0.5dB bandwidth)(nm)		>0.3	>0.5
Pass Channel Insertion Loss (dB)		≤1.0	≤0.9
Reflection Channel Insertion Loss(dB)		≤0.6	≤0.6
Channel Ripple (dB)		<0.3	
Isolation (dB)	Adjacent	>30	
	Non-adjacent	>40	
Insertion Loss Temperature Sensitivity(dB/°C)		<0.005	
Wavelength Temperature Shifting (nm/°C)		<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(°C)		-10~+75	
Storage Temperature(°C)		-40~+85	
Package dimension(mm)		Φ5.5x34 (L38 for 900um Loose tube)	

- 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
100G,200G 1X2 DWDM Device (3Ports)
Note: ITU: 100G, 200G Fiber Type: Bare fiber, 900um loose tube Fiber Length: 1m, 2m In/Out Connector: None, FC/APC, FC/UPC, SC/APC, SC/UPC, LC, ST 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

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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