



**1x2 CWDM Device(3 Ports)**



**Shenzhen Optostar Optoelectronics Co., Ltd**

**2013. 05(Version 2)**

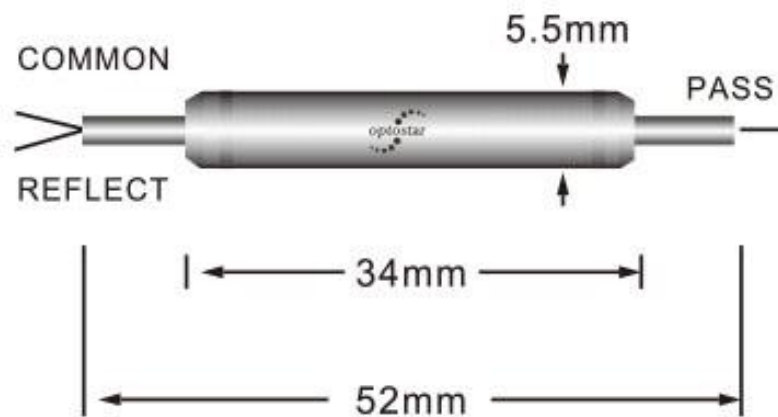
## Overview

OPTOSTAR' Coarse wavelength division multiplexer (CWDM) 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



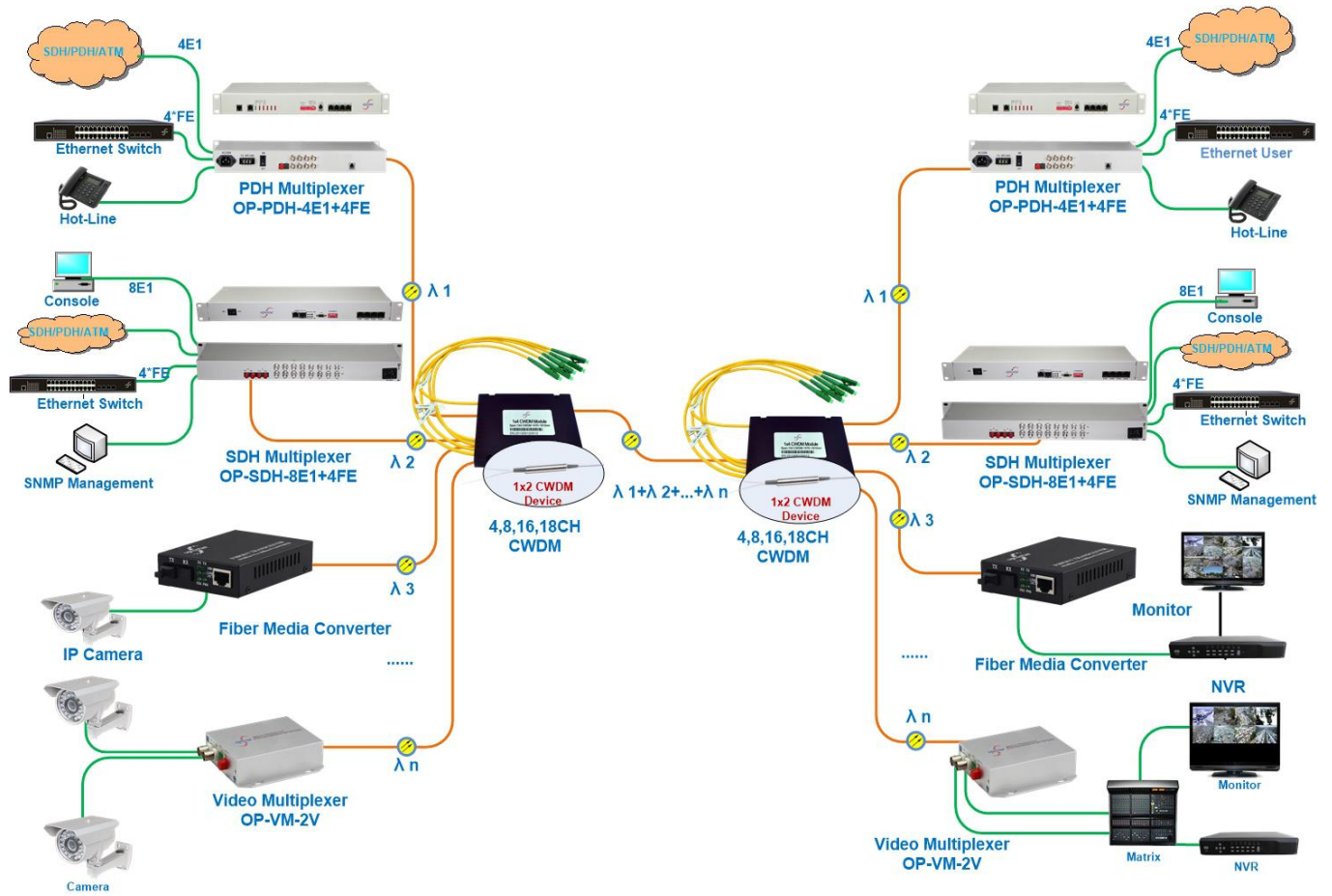
**Technical Parameter**

Parameter		Specification
Channel Wavelength (nm)		1270~1610 or 1271~1611
Pass Channel		1270nm,1290nm,1310nm,1330nm,1350nm,1370nm,1390nm,1410nm,1430nm,1450nm,1470nm,1490nm,1510nm,1530nm,1550nm,1570nm,1590nm,1610nm
In/Out Connector		None,FC/APC,FC/UPC,SC/APC,SC/UPC,LC/APC,LC/UPC,ST,custom
Fiber Length		1m,2m,custom
Fiber Type		Bare fiber,900um loose tube
Channel Spacing (nm)		20
Channel Passband (@-0.5dB bandwidth (nm)		>13
Pass Channel Insertion Loss (dB)		≤0.6
Reflection Channel Insertion Loss (dB)		≤0.4
Channel Ripple (dB)		<0.3
Isolation (dB)	Adjacent	≥30
	Non-adjacent	≥40
Inertion 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
Operatng Temperature (°C)		-20~+75
Storage Temperature (°C)		-40~+85
Package dimension (mm)		Φ5.5xL34

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
<b>1x2 CWDM Device(3 Ports)</b>
<b>Note:</b> Fiber Type: Bare fiber,900um loose tube(Optional) Fiber Length: 1m,2m,custom(Optional) In/Out Connector: None,FC/APC,FC/UPC,SC/APC,SC/UPC,LC/APC,LC/UPC,ST,custom(Optional) Pass Channel:1270nm,1290nm,1310nm,1330nm,1350nm,1370nm,1390nm,1410nm,1430nm,1450nm,1470nm,1490nm,1510nm,1530nm,1550nm,1570nm,1590nm,1610nm(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.

## 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](mailto:info@optostar.com.cn)

Skype:ouyangroya

Web: [www.optostar.com.cn](http://www.optostar.com.cn)