



Mini CWDM Mux/Demux Module



Shenzhen Optostar Optoelectronics Co., Ltd

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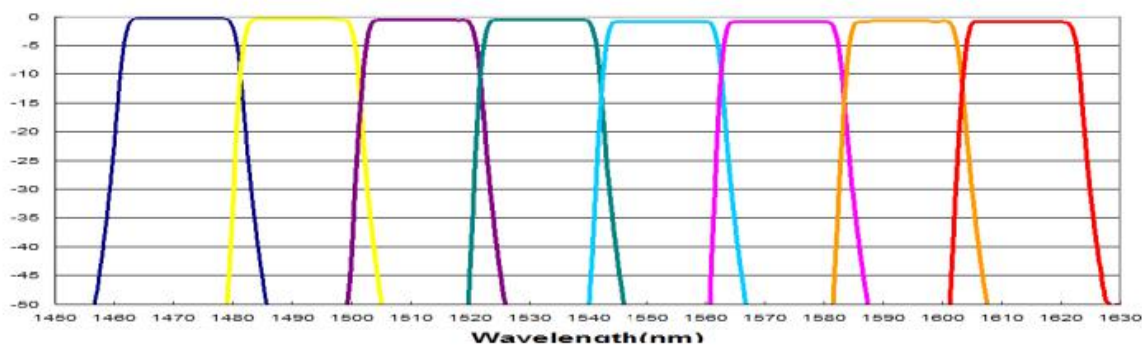
Overview

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 .

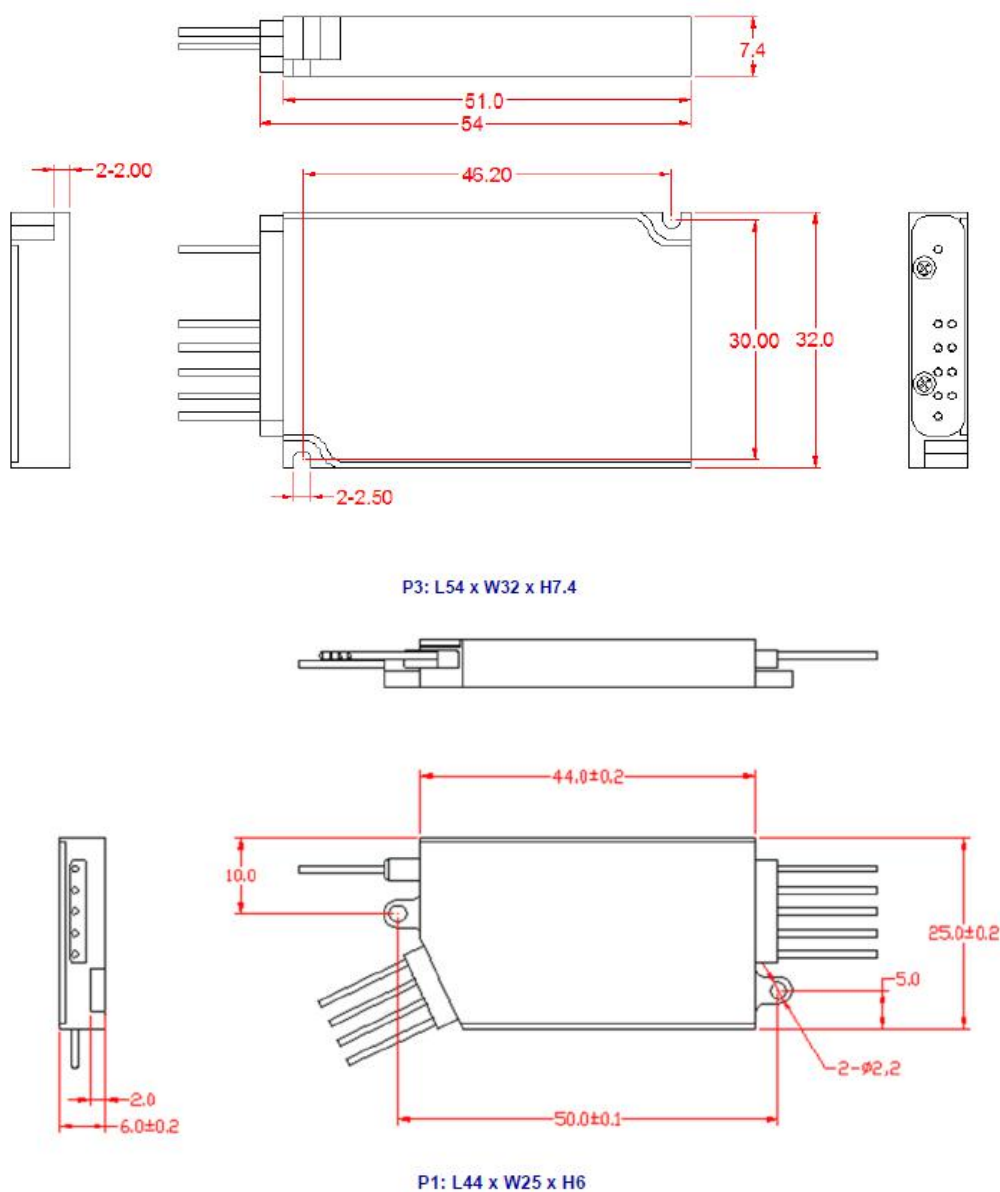
Product Features

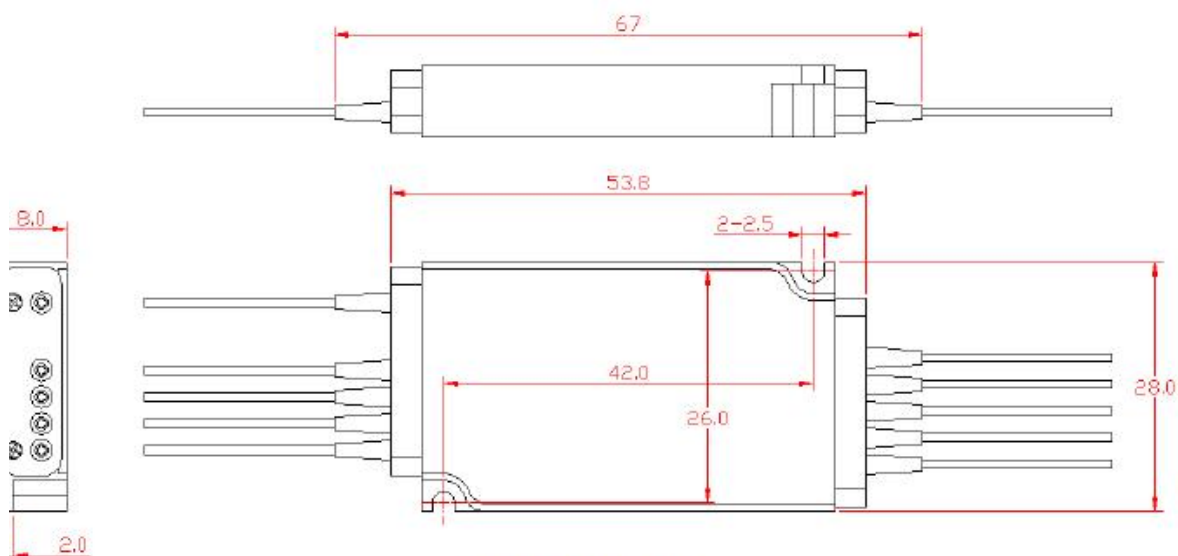
- Mini Size
- High Reliability
- Low Insertion Loss
- Ultra High Thermal Stability
- Epoxy-free on Optical Path
- RoHS Compliant

Typical Spectrum



Package Dimension





P2: L53.8 x W28 x H8

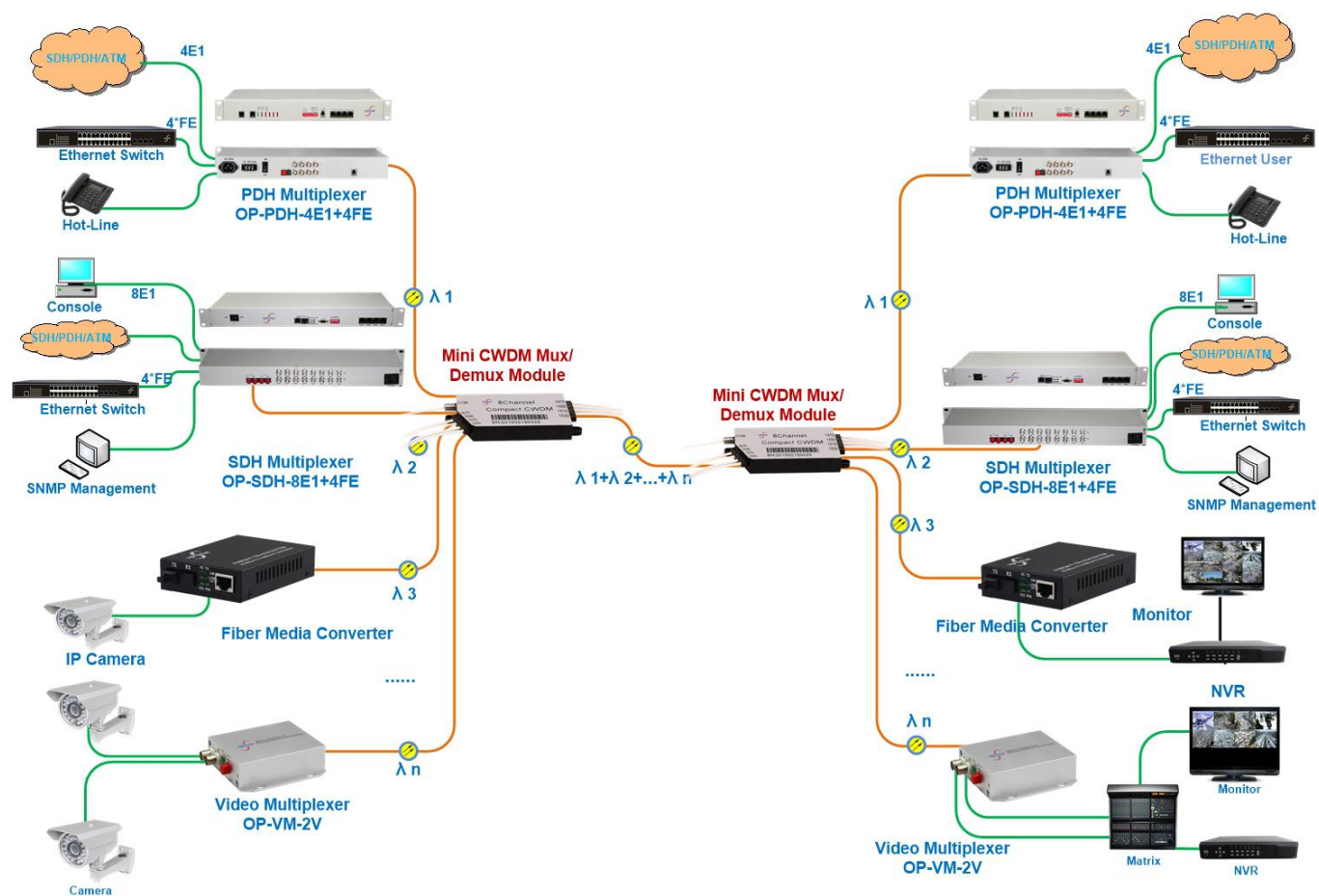
Technical Parameter

Parameter		Values			
Channel Number		4	8	8+E1	8+E2
Channel Wavelength (nm)		1270~1610 or 1271~1611			
Channel Spacing (nm)		20			
Passband (nm)	Channels	±6.5			
	Upgrade port			1310±50	1260~1457
Isolation (dB)	Adjacent	>30			
	Non-adjacent	>40			
	Upgrade port	<15			
Isolation Loss (dB)	Channels	1.0	1.5	1.6	1.8
	Upgrade port			1.2	1.2
Channel Ripple (dB)		<0.3			
Fiber Type		Corning SMF-28 with 900um loose tube			
Polarization Dependent Loss (dB)		<0.15			
Polarization Mode Dispersion (ps)		<0.1			
Directivity (dB)		≥50			
Return Loss (dB)		≥45			
Maximum Power Handling (mW)		500			
Operating Temperature(℃)		-5~+75			
Storage Temperature (℃)		-40~+85			
Package dimension (mm) (LGX box)		P1:L44×W25×H6 P2:L53.8×W28×H8 P3:L54×W32×H7.4			

1、Above specifications are for devices without connector.

2、Specifications may change without notice.

Application



- CWDM System
- CATV System
- Network upgrading

Order Information

Description
Mini CWDM Mux/Demux Module
Note: Number of Channels: 4 Channel,8 Channel,N Channel(Optional) Express Port: None,1310(+/-50nm),1260~1620nm,Special(Optional) Fiber Type: Bare fiber,900um loose tube(Optional) Fiber Length: 1m,2m,Specify(Optional) Package Type:44×25×6, 53.8×28×8, 53×32×7.4(Optional) Connector: None,FC/APC,FC/UPC,SC/APC,SC/UPC,LC/UPC,ST(Optional) 1st Channel:1270nm,1290nm,1310nm,1330nm,1350nm,1370nm,1390nm,1410nm,1430nm,1450nm,1470nm,1490nm,1510nm, 1530nm,1550nm,1570nm,1590nm,1610nm,special(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.

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