

# CWDM Optical Add&Drop Module

## Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant
- 1, 2, 4, 8 Channels Configuration
- RoHS Compliant



## Applications:

- Add/Drop System
- Unidirectional/Bi-directional Network
- CATV System

## Specifications<sup>1, 2</sup>:

Parameter	Unit	Grade 2A <sup>2</sup>			
Channel Number	Ch	1	2	4	
Central Wavelength (l c)	nm	1270, 1290...1610 or 1271, 1291...1611			
Passband	Min. nm	1 c+/-6.5			
Isolation	Add/Drop	Adjacent Channel Min.	30		
		Non-adjacent Channel Min.	50		
	Express Channel	Min.	25		
Insertion Loss	Add & Drop Channel	Max. dB	0.7	1.0	1.7
	Express Channel	Max. dB	0.8	1.2	2.0
Ripple in Passband	Max. dB	0.5			
Directivity	Min. dB	50			
Polarization Dependent Loss	Max. dB	0.10			
Polarization Mode Dispersion <sup>3</sup>	Max. ps	0.10			
Return Loss	Min. dB	45			
Fiber Type	Corning SMF-28e with 900mm buffer				
Fiber Length	Min. m	1.0+/-0.1			
Power Handling	Max. mW	500			
Operating Temperature	°C	0~70			
Storage Temperature	°C	-40~85			
Box Package	Length	mm	120	120	120
	Width	mm	80	80	80
	Height	mm	9	9	9
LGX Package <sup>4</sup>			1U	2U	2U
19 <sup>2</sup> Rackmount Package <sup>4</sup>			1U	1U	1U

1. All specifications include the effect of operating temperature and all states of polarization.

2. Values referenced without connectors and insertion loss for a connector-pair is 0.20dB(typ.) and 0.30dB(max.).

3. Fiber length includes rubber boot and excludes the connector.

4. LGX and 19<sup>2</sup> Rack Mount package are designed according to industry standard.

**Dimension:**

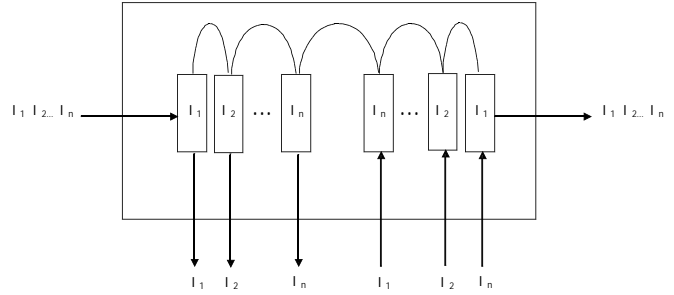
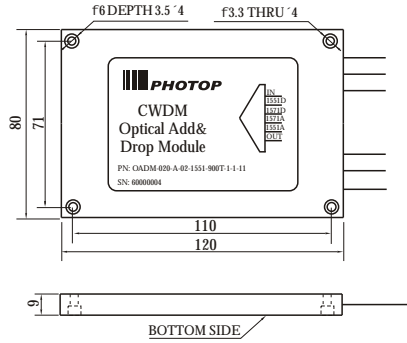


Figure 1. 2 Channel CWDM OADM

**Order Information:**

OADM - 020 - X - XX - XXXX - XXXX - X - XX  
 A B C D E F

A	Grade	A=Grade 2A <sup>2</sup> S=Custom
B	Channel Number	01=1 channel 02=2 channel 04=4 channel 08=8 channel
C	Initial Channel	1470= Central wavelength 1470nm . . 1510= Central wavelength 1510nm
D	Fiber Type <sup>1</sup>	900L=900mm loose tube 900T=900mm tight buffer
E	Directions	1= Single direction 2= Dual directions
F	Connector	NN=W/O connector XY=With connector <sup>2</sup>

1. 2mm or 3mm yellow cable is available upon request.
2. Please specify the type of connector as below when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		