

# DWDM 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 <sup>2</sup> A <sup>2</sup>					
Channel Spacing		200GHz		100GHz			
Channel Number	Ch	1	1	2	2		
Central Wavelength <sup>3</sup> (l c)	nm	1529.55~1560.61 ITU Grid					
Passband	Min.	nm	l c+/-0.25		l c+/-0.11		
Isolation	Add/Drop	Adjacent Channel	Min.	30	28		
		Non-adjacent Channel	Min.	40	40		
	Express Channel	Min.	25	25			
Insertion Loss	Add & Drop Channel	Max.	dB	0.9	1.3	1.2	1.5
	Express Channel	Max.	dB	0.8	1.5	1.0	1.6
Ripple in Passband	Max.	dB	0.50		0.50		
Directivity	Min.	dB	50		50		
Polarization Dependent Loss	Max.	dB	0.15		0.15		
Polarization Mode Dispersion <sup>4</sup>	Max.	ps	0.10		0.20		
Return Loss	Min.	dB	45		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	120	
	Width	mm	80	80	80	80	
	Height	mm	9	9	9	9	
LGX Package <sup>5</sup>			1U	2U	1U	2U	
19 <sup>2</sup> Rackmount Package <sup>5</sup>			1U	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. L-Band DWDM Module is available upon request.

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

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

**Dimension:**

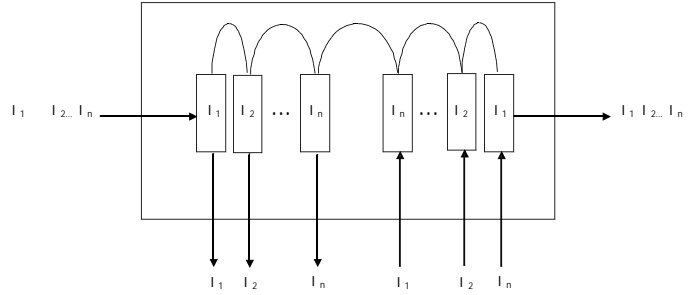
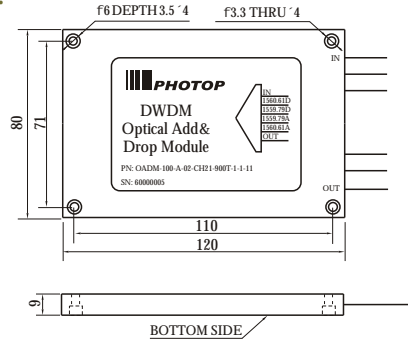


Figure 1. 2 Channel DWDM OADM

**Order Information:**

OADM - X - XXX - XX - XXXX - XXXX - X - XX  
 A B C D E F G

A	Grade	A=Grade <sup>2</sup> A <sup>2</sup> S=Custom
B	Channel Spacing	100=100GHz 200=200GHz
C	Channel Number	01=1 channel 02=2 channel CH21=21st channel
D	Initial Channel	⋮ Ch59=59th channel
E	Fiber Type <sup>1</sup>	900L=900mm loose tube 900T=900mm tight buffer
F	Directions	1= Single direction 2= Dual directions
G	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		