

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

Applications:

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



Specifications^{1,2}:

Parameter	Unit	Grade "A"					
Channel Spacing		200GHz		100GHz			
Channel Number	Ch	1	2	1	2		
Central Wavelength ³ (λ_c)	nm	1529.55~1560.61 ITU Grid					
Passband	Min.	nm	$\lambda_c \pm 0.25$	$\lambda_c \pm 0.11$			
Isolation	Add	Adjacent Channel	Min.	15	15		
		Non-adjacent Channel	Min.	15	15		
	Drop	Adjacent Channel	Min.	30	28		
		Non-adjacent Channel	Min.	40	40		
	Express Channel	Min.	25	25			
Insertion Loss	Pass Channel	Max.	dB	0.9	1.3	1.3	1.8
	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		0.10		0.10	
Polarization Mode Dispersion	Max.	ps		0.10		0.10	
Return Loss	Min.	dB		45		45	
Fiber Type	Corning SMF-28 with 900 μ m buffer						
Fiber Length	Min.	m		1.0+/-0.1			
Power Handling	Max.	mW		500			
Operating Temperature		$^{\circ}$ C		0~70			
Storage Temperature		$^{\circ}$ C		-40~85			
Package Dimension		mm		(L)120 \times (W)80 \times (H)9			

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 OADM Module is available upon request.

Dimension:

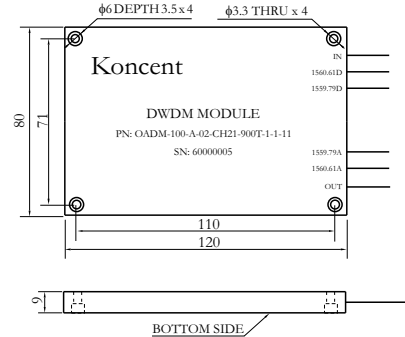


Figure 1. 2 Channel DWDM OADM

Order Information:

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

A	Channel Spacing	100=100GHz 200=200GHz
B	Grade	A=Grade "A" S=Custom
C	Channel Number	01=1 channel 02=2 channel
D	Initial Channel	CH21=21st channel : Ch59=59th channel
E	Fiber Type ¹	900L=900 μm loose tube 900T=900 μm tight buffer fiber
F	Directions	1= Single direction 2= Dual directions
G	Through Ports	1=Without through port 2=With through port
H	Connector	NN=W/O connector XY=With connector ²

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

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