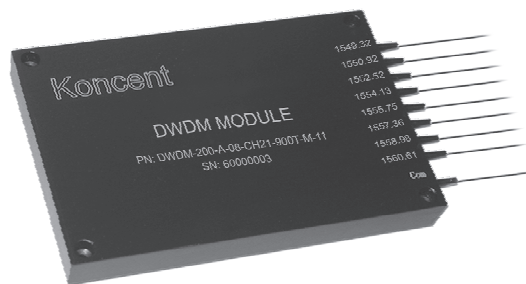


# 200G Mux/Demux Module

## Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant
- 4, 8, 16, 32, 40 Channels Configuration



## Applications:

- DWDM System
- CATV System

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

Parameter	Unit	Grade "A"			
Channel Spacing		200GHz			
Channel Number	Ch	4	8	16	
Central Wavelength <sup>3</sup> ( $\lambda_c$ )	nm	1529.55~ 1560.61 ITU Grid			
Passband	Min.	nm	ITU +/- 0.25		
Isolation	Mux	Adjacent Channel	Min.	15	
		Non-adjacent Channel	Min.	15	
	Demux	Adjacent Channel	Min.	30	
		Non-adjacent Channel	Min.	40	
Insertion Loss <sup>4</sup>	Max.	dB	2.2	3.0	4.0
Ripple in Passband	Max.	dB	0.5		
Directivity	Min.	dB	50		
Polarization Dependent Loss	Max.	dB	0.10	0.10	0.15
Polarization Mode Dispersion	Max.	ps	0.10		
Return Loss	Min.	dB	45		
Fiber Type	Corning SMF-28 with 900 $\mu$ m buffer				
Fiber Length	Min.	m	1.0+/-0.1		
Power Handling	Max.	mW	500		
Operating Temperature		°C	0~70		
Storage Temperature		°C	- 40~85		
Package Dimension	Length	Max.	mm	120	
	Width	Max.	mm	80	
	Height	Max.	mm	9	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 Module is available upon request.
4. 1 piece bandpass filter built in 16-channel module.

**Dimension:**

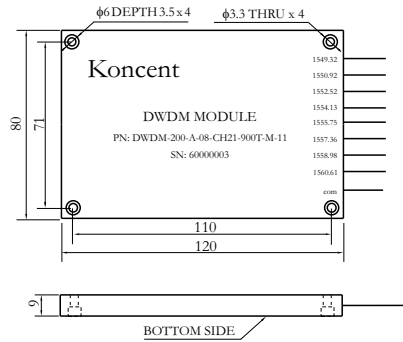


Figure 1. 8 Channel DWDM Module

**Order Information:**

DWDM - 200 - X - XX - XXXX - XXXX - X - XX  
A B C D E F

A	Grade	A=Grade "A"
		S=Custom
B	Channel Number	04=4 channel
		08=8 channel
		16=16 channel 32=32 channel
C	Initial Channel	CH21=21st channel
		.
		CH59=59th channel
D	Fiber Type <sup>1</sup>	900L=900 μm loose tube
		900T=900 μm tight buffer fiber
E	Mux/Demux	M=Mux
		D=Demux
		C=Mux&Demux <sup>2</sup>
F	Connector	NN=W/O connector
		XY=With connector <sup>3</sup>

1. 2mm or 3mm yellow cable is available upon request.
2. Please specify the function sketch and outline drawing for Mux & Demux integration package when ordering.
3. 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		