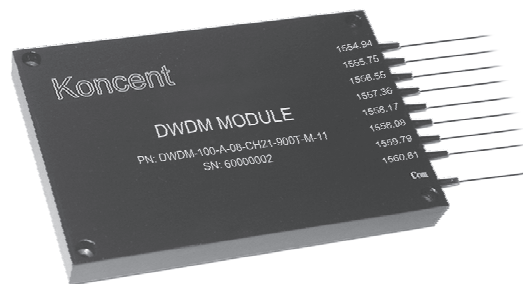


100G Mux/Demux Module

Features:

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



Applications:

- DWDM System
- CATV System

Specifications^{1,2}:

Parameter			Unit	Grade "A"			
Channel Spacing				100GHz			
Channel Number			Ch	4	8	16	32
Central Wavelength ³ (λ_c)			nm	1529.55~ 1560.61 ITU Grid			
Passband	Min.		nm	ITU+/- 0.11			
Isolation	Mux	Adjacent Channel	Min.	15			
		Non-adjacent Channel	Min.	15			
	Demux	Adjacent Channel	Min.	28			
		Non-adjacent Channel	Min.	40			
Insertion Loss ⁴	Max.	dB	2.5	3.5	4.5	6.0	
Ripple in Passband	Max.	dB	0.5				
Directivity	Min.	dB	50				
Polarization Dependent Loss	Max.	dB	0.10	0.15	0.25	0.40	
Polarization Mode Dispersion	Max.	ps	0.10				
Return Loss	Min.	dB	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			°C	0~70			
Storage Temperature			°C	- 40~85			
Package Dimension	Length	Max.	mm	120		160	
	Width	Max.	mm	80		110	
	Height	Max.	mm	9	9	15	15

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 and 3 pieces bandpass filter build in 16-channel and 32-channel module sepectively.

Dimension:

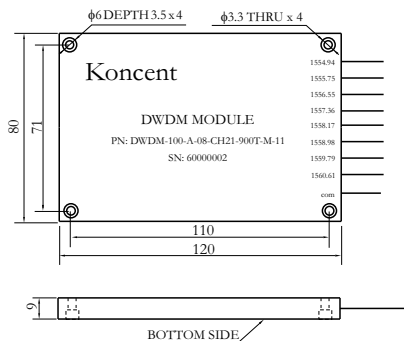


Figure 1. 8 Channel DWDM Module

Order Information:

DWDM - 100 - 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 ¹	900L=900 μm loose tube
		900T=900 μm tight buffer fiber
E	Mux/Demux	M=Mux
		D=Demux
		C=Mux&Demux ²
F	Connector	NN=W/O connector
		XY=With connector ³

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		