

# CWDM Mux/Demux Module (Mini)

## Features:

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



## Applications:

- CWDM System
- CATV System

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

Parameter	Unit	Grade "M"	
Channel Number	Ch	4	
Central Wavelength ( $\lambda_c$ )	nm	1270,1290...1610 or 1271,1291...1611	
Passband	Min. nm	$\lambda_c \pm 6.5$	
Isolation	Mux	Adjacent Channel Min.	15
		Non-adjacent Channel Min.	15
	Demux	Adjacent Channel Min.	30
		Non-adjacent Channel Min.	45
Insertion Loss	Max. dB	1.5	
Ripple in Passband	Max. dB	0.5	
Directivity	Min. dB	50	
Polarization Dependent Loss	Max. dB	0.20	
Polarization Mode Dispersion	Max. ps	0.20	
Return Loss	Min. dB	45	
Fiber Type	Corning SMF-28 with 900 $\mu$ m buffer		
Fiber Length <sup>3</sup>	Min. m	1.0+/-0.1	
Power Handling	Max. mW	500	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(L)43 × (W)20.3 × (H)8	

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 include rubber boot and exclude the connectors.

**Dimension:**

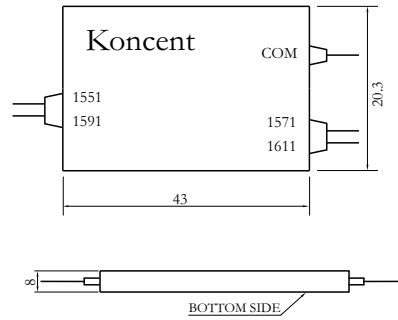


Figure 1. 4 Channel Mini CWDM Module

**Order Information:**

KCWM - X - XX - XXXX - XXXX - X - XX  
           A   B      C      D      E   F

A	Grade	M=Grade "M" S=Custom
B	Channel Number	04=4 channels
C	Initial Channel	1470= Central wavelength 1470 nm 1510= Central wavelength 1510 nm
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		