

Coarse Wavelength Division Multiplexer Mux/Demux Module

1. Features:

- Low insertion loss
- High isolation
- High Return Loss
- Excellent environmental stability and reliability



2. Applications:

- CWDM System
- PON Networks
- Communication System
- Test Instrumentations
- CATV Links



3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS



4. Specifications:

Parameters		1x2	1x4	1x8	1x16
Center Wavelength (nm)		ITU, ITU+1			
Passband (nm)		ITU±6.5			
Operating Wavelength (nm)		1460~1620 or 1260~1620			
Channel Space (nm)		20			
Fiber Type		SMF-28e or customer specified			
IL (dB) (P/A Grade)		0.7/1.0	1.4/1.7	2.0/2.5	3.5/4.0
Isolation (dB)	Adjacent Channel	30			
	Non-Adjacent Channel	50			
Ripple (dB)		0.3	0.4	0.5	0.5
PDL (dB)		0.2			
PMD (ps)		0.1			
RL (dB)		45			
Directivity (dB)		50			
Maximum Optical Power (mw)		500			
Operating Temperature (°C)		-40~85			
Storage Temperature (°C)		-40~85			
BOX Package (mm)		100*80*10			140*115*18
LGX Package		1U, 2U			
19" Rack mount Package		1U			

*The specifications are w/o connector.

* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

* For device with connector, key aligned to slow axis.

5. Product Ordering information:

CWDMM		X	XX	X	XXX	XX	XX
Product Description	Port Type	Module Type	Center Wavelength	Pigtail Type	Input&output Connector Type	Package Size	Fiber Length
CWDMM	1X2	M=Mux	47=1470/1471	0=250um	0=None	PL=140X115X18Plastic	05=0.5m
	1X4	D=Demux	61=1610/1611	1=900um	1=FC/UFC	PM=120X80X18Plastic	08=0.8m
	1X8	1=Mux&1310 Port	F1=T13R15	2=2mm	2=FC/APC	PL=100X80X10Plastic	10=1.0m
	1X16	2=Demux&1310 Port	F2=T15R13	3=3mm	3=SC/UPC	LX=LGX BOX,Metal	12=1.2m
		3=Mux&Upgrade	F3=T13R1415		4=SC/APC	19=19 1U Rack-mount	
		4=DeMux&Upgrade	F4=T14R1315		5=LC/UPC		
		5=Mux&1310 Port&Upgrade	F5=T15R1314		6=LC/APC		

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