


Coarse Wavelength Division Multiplexer Module (CWDM)

Features	
Low insertion loss High channel isolation High stability and reliability	
Application	
CWDM system Metro/Access Networks CATV Fiberoptic System	

Specifications

Parameter		1x2	4 ch	8 Ch	16 Ch	18 Ch
Central Wavelength(nm)		1271, 1291, 1311,1551, 1571, 1591, 1611				
Channel space (nm)		20				
Channel bandwidth (nm)		$\lambda_c \pm 6.5$				
Channel flatness (dB)		≤ 0.4				
Insertion Loss (dB)		P: <0.6 R: <0.4	≤ 2.0	≤ 3.0	≤ 4.5	≤ 5.0
Isolation (dB)	Adjacent channel	P ≥ 30 R ≥ 15	≥ 30			
	Non-adjacent channel		≥ 40			
Channel uniformity (dB)		≤ 1.0				
Directivity (dB)		≥ 50				
Return loss (dB)		≥ 45				
PDL (dB)		≤ 0.15			≤ 0.20	
Wavelength thermal stability (nm/°C)		≤ 0.003				
Insertion loss thermal stability (dB/°C)		≤ 0.005				
Power handling (mW)		≤ 500				
Operating temperature (°C)		0 ~ +70				
Storage temperature (°C)		-40 ~ +85				
Dimensions (LxWxH) (mm)		SUS 5.5x35 ABS:90x20x9.5	ABS: 100x80x10 or LGX or 19" rack		ABS: 120x80x18mm LGX or 19" rack	

Ordering Information:

CWDM	Type	Port Type	Wavelength	Operation Wavelength	Pigtail Type	Fiber Type	Length	Connector	Package
	M=MUX D=Demux	01=1ch 04=4ch 08=8ch 16=16ch 18=18ch 4E=4+E XP 8E=4+E xp	1271 1291 1611	S=1260~1460nm H=1460~1620nm A=1260-1620nm	1=900um loose tube 2=2mm loose tube 3=3mm loose tube	1=SMF-28e	1= 1m X=Specify	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC XX=Other	35=5.5x35 10=100x80x10 18=120x80x18 L=LGX box 19=19" RACK 90=90x20x9.5mm