


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		4 Channel	8 Channel	16 Channel
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)		≤ 2.0	≤ 3.0	≤ 5.0
Demux Isolation (dB)	Adjacent channel	≥ 30		
	Non-adjacent channel	≥ 40		
Mux Isolation (dB)	Adjacent channel	≥ 15		
	Non-adjacent channel	≥ 15		
Channel uniformity (dB)		≤ 1.0		
Directivity (dB)		≥ 55		
Return loss (dB)		≥ 50		
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)		100x80x10(ABS)		141x115x18(ABS)
		110x95x7.5(Metal)		

Ordering Information:

CWDM	Type	Port Type	Wavelength	Pigtail Type	Fiber Type	Length	Connector
	M=Mux D=Demux	4=4ch 8=8ch 16=16ch	1271=1271 1291=1291 1611=1611	900=900um loose tube 2000=2mm loose tube 3000=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