

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	18 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	≤ 4.5	≤ 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)		≥ 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)		-40 ~ +85			
Storage temperature (°C)		-40 ~ +85			
Dimensions (LxWxH) (mm)		100x80x10		141x115x18	

Ordering Information:

CWDM	Type	Port Type	Wavelength	Operation Wavelength	Pigtail Type	Fiber Type	Length	Connector
	M=Mu x D=De mux	4=4ch 8=8ch 16=16ch 18=18ch	1271=1271 1291=1291 1611=1611	S=1260~1460 nm H=1460~1620 nm A=1260-1620 nm	900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	1=SMF-28e	1= 1m X=Spec ify	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC XX=Other