


## CWDM Module - Coarse Wavelength Division Multiplexer

<b>Features</b>	
Low insertion loss High channel isolation High stability and reliability	
<b>Application</b>	
CWDM system Metro/Access Networks CATV Fiber optic 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)		$\leq 0.4$				
Insertion Loss (dB)		P: <0.6 R: <0.4	$\leq 2.0$	$\leq 3.0$	$\leq 4.5$	$\leq 5.0$
Isolation (dB)	Adjacent channel	P $\geq 30$ R $\geq 15$	$\geq 30$			
	Non-adjacent channel		$\geq 40$			
Channel uniformity (dB)		$\leq 1.0$				
Directivity (dB)		$\geq 50$				
Return loss (dB)		$\geq 45$				
PDL (dB)		$\leq 0.15$			$\leq 0.20$	
Wavelength thermal stability (nm/°C)		$\leq 0.003$				
Insertion loss thermal stability (dB/°C)		$\leq 0.005$				
Power handling (mW)		$\leq 500$				
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=1x2ch 04=4ch 08=8ch 16=16ch 18=18ch 4E= 4+E XP 8E= 8+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 C LC=LC/UPC LA=LC/APC XX=Other	35=5.5x35 10=100x80x10 18=120x80x18 L=LGX box 19=19" RACK 90=90x20x9.5mm