



8 Channel Coarse Wavelength Division Multiplexer

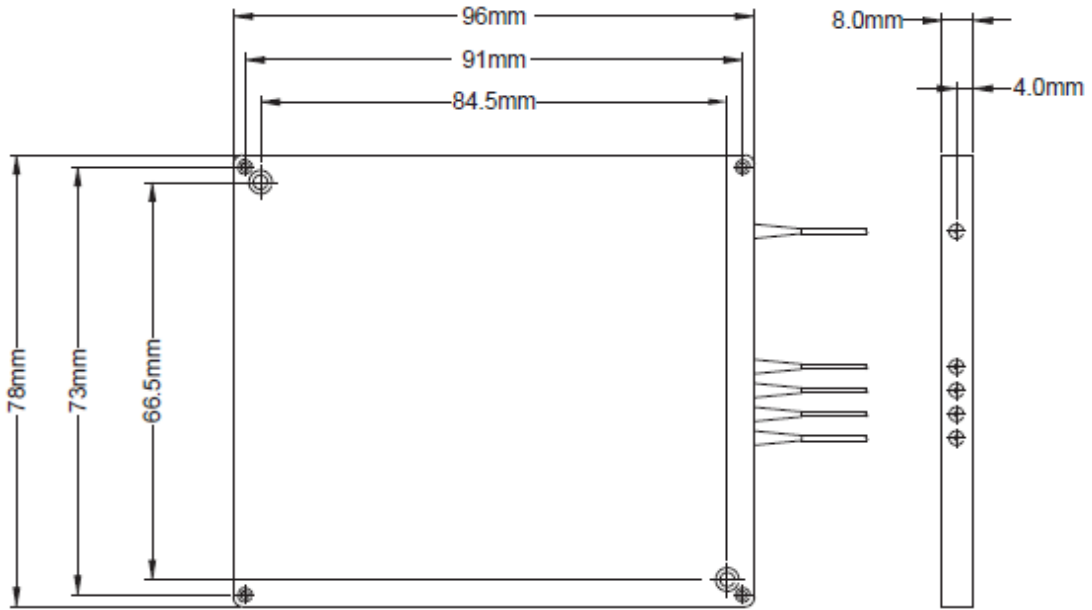
Features	Applications
<ul style="list-style-type: none"> ● Low Insertion Loss ● Wide Pass Band ● High Channel Isolation ● High Stability and Reliability ● Epoxy Free Optical Path 	<ul style="list-style-type: none"> ● Line Monitoring ● WDM Network ● Telecommunication ● Cellular Application ● Fiber Optical Amplifier ● Access Network

Performance Specifications:

Parameter	Unit	Spec		
		Mux (Add)	Demux (Drop)	
Operating Wavelength	nm	Full Band (FB): 1270nm to 1610nm; Standard: 1270nm to 1350nm or 1430nm to 1610nm		
Center Wavelength	nm	1270nm, 1290nm,, 1610nm or 1271nm, 1291nm,1611nm		
Center Wavelength Accuracy	nm	± 0.5nm		
Channel Spacing	GHz	20GHz		
Channel Passband (@-0.5dB bandwidth)	nm	≥ 13nm		
Insertion Loss	dB	≤ 2.2dB		
Channel Uniformity	dB	≤ 1.0dB		
Channel Ripple	dB	≤ 0.3dB		
Channel Isolation	Adjacent	dB	N/A	≥ 30dB
	Non-adjacent	dB	N/A	≥ 40dB
Insertion Loss Temperature Sensitivity	dB/°C	≤ 0.003dB/°C		
Wavelength Temperature Shifting	nm/°C	≤ 0.002nm/°C		
Polarization Dependent Loss	dB	≤ 0.10dB		
Polarization Mode Dispersion	ps	≤ 0.10ps		
Directivity	dB	≥ 50dB		
Return Loss	dB	≥ 45dB		
Optical Power	mW	≤ 300mW		
Operating Temperature	°C	0 to +70°C		
Storage Temperature	°C	-40 to +85°C		
Package Dimensions	mm	L96mm x W78mm x H8.0mm		

Note: All values referenced are without connectors. With connector, IL increase 0.3dB, RL decrease 5dB.

Mechanical Dimensions:



Ordering Information:

S-CWDM	Channel Spacing	Number of Channel	Configuration	1st ITU Channel	Pigtail Style	Fiber Length	In/Out Connector	FB
	□	□□	□	□□□	□	□	□□	□□
	C=CWDM Grid	08=8 Channel	M=Mux D=Demux	470= 1470nm 471= 1471nm 551= 1551nm 571= 1571nm	1= Bare Fiber 2= 900um tube 3=3mm Cable 4=2mm Cable	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	FB=Full Band Leave Empty=Standard

For Example: S-CWDM-C-08-D-470-1-1-00