16 Channel Coarse Wavelength Division Multiplexer

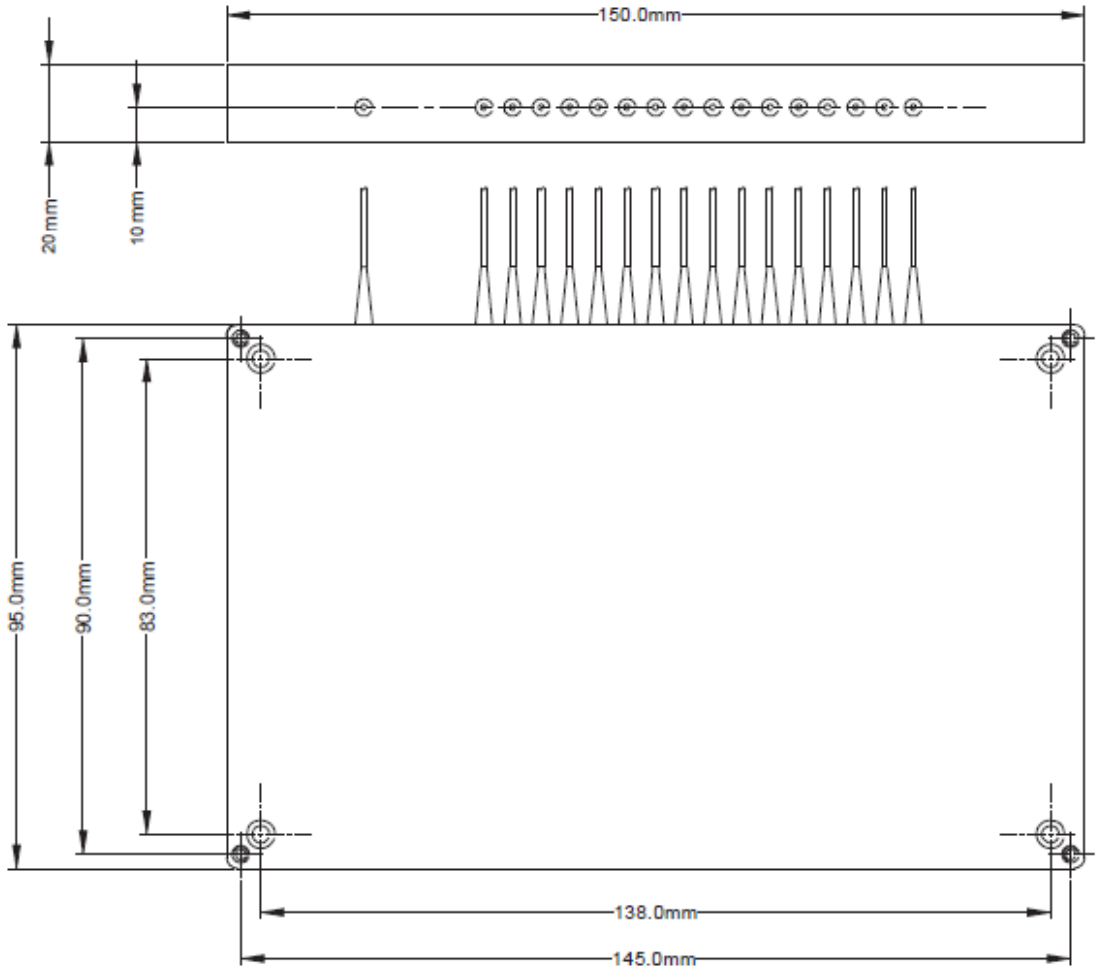
Features	Applications
● Low Insertion Loss ● Wide Pass Band ● High Channel Isolation ● High Stability and Reliability ● Epoxy Free Optical Path	● Line Monitoring ● WDM Network ● Telecommunication ● Cellular Application ● Fiber Optical Amplifier ● Access Network

Performance Specifications:

Parameter		Unit	Spec	
			Mux (Add)	Demux (Drop)
Operating Wavelength		nm	1310nm to 1610nm	
Center Wavelength Accuracy		nm	± 0.5nm	
Channel Spacing		GHz	20GHz	
Channel Passband (@-0.5dB bandwidth)		nm	≥ 13nm	
Insertion Loss		dB	≤ 3.5dB	
Channel Uniformity		dB	≤ 1.0dB	
Channel Ripple		dB	≤ 0.5dB	
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	L150mm x W95mm x H20mm	

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	Configur-ation	1 st ITU Channel	Pigtail Style	Fiber Length	In/Out Connector
	□	□□	□	□□□	□	□	□□
	C= CWDM Grid	16=16 Channel	M=Mux D=Demux	310= 1310nm 330= 1330nm 570= 1570nm	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

For Example: S-CWDM-C-16-D-310-1-1-00