



## Coarse Wavelength Division Multiplexer (1x2)

<p><b>Features</b></p> <ul style="list-style-type: none"> <li>● Low Insertion Loss</li> <li>● Wide Pass Band</li> <li>● High Channel Isolation</li> <li>● High Stability and Reliability</li> <li>● Epoxy Free Optical Path</li> </ul>	<p><b>Applications</b></p> <ul style="list-style-type: none"> <li>● Line Monitoring</li> <li>● WDM Network</li> <li>● Telecommunication</li> <li>● Cellular Application</li> <li>● Fiber Optical Amplifier</li> <li>● Access Network</li> </ul>
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### 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	Pass Channel	dB	≤ 0.6dB	
	Reflection Channel	dB	≤ 0.4dB	
Channel Ripple	dB	≤ 0.4dB		
Isolation @Add/Drop Channel	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	-20 to +70°C		
Storage Temperature	°C	-40 to +85°C		
Package Dimensions	mm	Ø3.4 x L26mm (Glass tube package)		

Note: All values referenced are without connectors.



## Ordering Information:

S-CWDM	Channel Spacing	Number of Channel	Configuration	1st Channel	Pigtail Style	Fiber Length	Connector	FB
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	C= CWDM Grid	01=1 Channel	M=Mux D=Demux	510=1510nm 511=1511nm . . . 571=1571nm . . .	1= Bare Fiber	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC	FB= Full Band Leave Empty= Standard

**For Example: S-CWDM-C-01-D-571-1-1-00-FB**