



8-Channel Coarse Wavelength Division Multiplexer

AC Photonics' Coarse Wavelength Division Multiplexer (CWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. All AC Photonics' products are Telcordia qualification tested.



Features

- Low Insertion Loss
- Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free on Optical Path
- Access Network

Applications

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical Amplifier

Performance Specifications

Parameter

		MUX	DEMUX
Operating Wavelength (nm)		Full Band:1270 to 1610 Standard Band:1270 ~ 1350 or 1430 ~ 1610	
Center Wavelength(nm)		1270,1290.....1610 or 1271,1291.....1611	
Center Wavelength Accuracy (nm)		±0.5	
Channel Spacing (nm)		20	
Channel Passband (@-0.5dB bandwidth) Min.(nm)		≥13	
Insertion Loss (dB)		≤ 2.2	
Channel Uniformity (dB)		≤ 1.0	
Channel Ripple (dB)		≤ 0.3	
Isolation (dB)	Adjacent	N/A	≥30
	Non-adjacent	N/A	≥40
Insertion Loss Temperature Sensitivity (dB/°C)		≤0.003	
Wavelength Temperature Shifting (nm/°C)		≤0.002	
PDL (dB)		≤0.10	
Polarization Mode Dispersion(ps)		≤0.1	
Directivity (dB)		≥50	
Return Loss (dB)		≥45	
Power Handling (mW)		300	
Operating Temperature (°C)		0 ~+70	
Storage Temperature (°C)		-40 ~+85	
Dimensions (mm)		L110 xW95 x H7.5	

Specifications may change without notice.

Ordering Information

CWDM	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Channel Spacing	Number of Channels	Configuration	1st Channel	Pigtail Style	Fiber Length	In/Out Connector	FB
	C=CWDM Grid	08=8 Channel	M=Mux D=DeMux	470=1470nm 471=1471nm . . 571=1571nm	1=BareFiber 2=900umJacket 3=3mmCable	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

Dimensions

