AC Photonics

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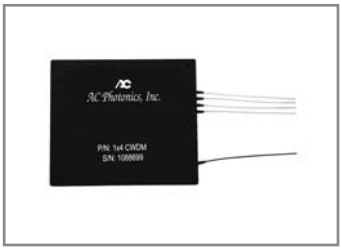
4 Channel Coarse Wavelength Division Multiplexer



ACP's 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.

Key Features

- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

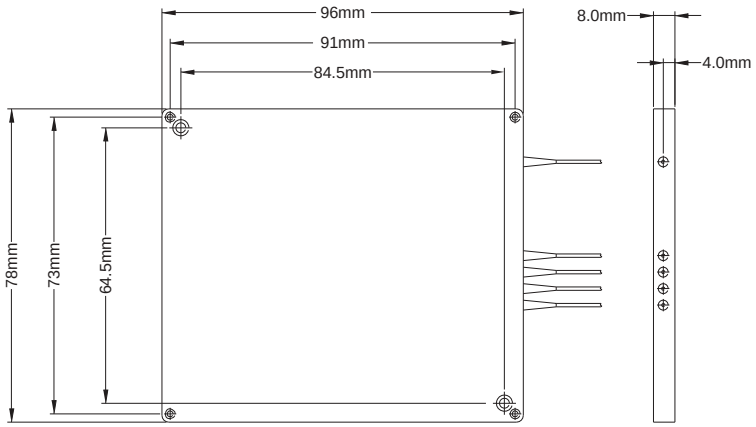
Applications

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

Performance Specifications

Parameter		Specifications	
		Mux	Demux
Operating Wavelength		Full Band (FB): 1270nm to 1610nm;	
		Standard: 1270nm to 1350nm or 1430nm to 1610nm	
Center Wavelength		1270nm, 1290nm, …., 1610nm or 1271nm, 1291nm, ….1611nm	
Center Wavelength Accuracy		± 0.5nm	
Channel Spacing		20nm	
Channel Passband (@-0.5dB bandwidth)		≥ 13nm	
Insertion Loss		≤ 1.4dB	≤ 1.4dB
Channel Uniformity		≤ 0.6dB	≤ 0.6dB
Channel Ripple		≤ 0.3dB	≤ 0.3dB
Isolation @Add/Drop Channel	Adjacent	N/A	≥ 30dB
	Non-adjacent	N/A	≥ 40dB
Insertion Loss Temperature Sensitivity		≤ 0.003dB/°C	
Wavelength Temperature Shifting		≤ 0.002nm/°C	
Polarization Dependent Loss		≤ 0.10dB	
Polarization Mode Dispersion		≤ 0.10ps	
Directivity		≥ 50dB	
Return Loss		≥ 45dB	
Optical Power		≤ 300mW	
Operating Temperature		0 to +70°C	
Storage Temperature		-40 to +85°C	
Package Dimensions		L96nm x W78nm x H8.0nm	

Mechanical Dimensions



Ordering Information

CWDM	☐	☐☐	☐	☐☐☐	☐	☐	☐☐	☐☐
	Channel Spacing	**Number of Channel**	**Configuration**	**1st Channel**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**	**FB**
	C = CWDM Grid	04 = 4 Channel	M = Mux D = Demux	470 = 1470nm 471 = 1471nm 551 = 1551nm 571 = 1571nm	1 = Bare Fiber 2 = 900um Jacket 3 = 3mm Cable 4 = 2mm Cable	1 = 1.0m 2 = 2.0m	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