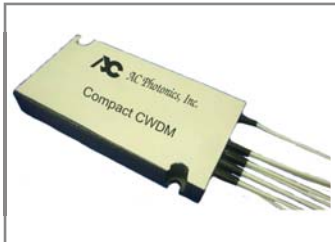


Compact CWDM Mux/Demux (Single Side)



ACP's Compact Coarse wavelength division multiplexer (CCWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. The integration of innovative house made compact components and bend insensitive fiber provides excellent thermal stability, low insertion loss, high channel isolation, wide passband, low ripple and epoxy free optical path. The unique carrier tray packaging with either single side output or dual side output enables ultra-compact footprint for customer's high level integration.

All AC Photonics' products are Telcordia qualification tested.

Key Features

- Compact Components
- Excellent Thermal Stability
- Low Ripple Filter
- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- Epoxy Free on Optical Path
- High Long Term Reliability

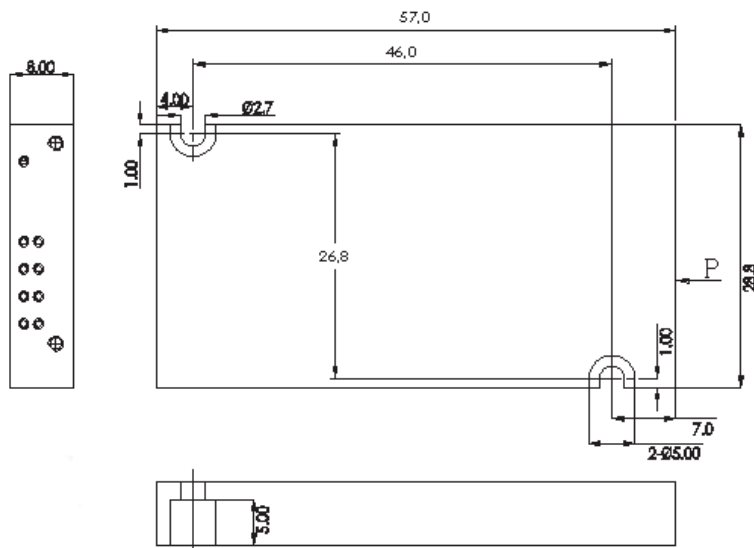
Applications

- Broadband Systems
- Optical Add/Drop Multiplexing
- Metro/Access Communication Networks
- Fiber Optic Instruments

Performance Specifications

Parameter		Specifications			
		Mux/Demux			
Channel Number		4		8	
		Min.	Max.	Min.	Max.
Operating Wavelength		1260nm to 1620nm			
Channel Spacing		20nm			
Channel Wavelength		1270nm	1611nmn	1270nm	1611nmn
Channel Passband		CWDM ± 7.0			
Insertion Loss			$\leq 1.0\text{dB}$		$\leq 1.5\text{dB}$
Channel Ripple		$\leq 0.5\text{dB}$			
Channel Isolation (Demax Only)	Adjacent	$\geq 30\text{dB}$		$\geq 30\text{dB}$	
	Non-adjacent	$\geq 45\text{dB}$		$\geq 45\text{dB}$	
Polarization Dependent Loss			$\leq 0.20\text{dB}$		$\leq 0.20\text{dB}$
Polarization Mode Dispersion		$\leq 0.20\text{ps}$			
Directivity (Mux Only)		$\geq 55\text{dB}$		$\geq 55\text{dB}$	
Return Loss		$\geq 45\text{dB}$		$\geq 45\text{dB}$	
Optical Power			300mW		300mW
Fiber Type		G657 A2			
Operating Temperature		0 to +70°C			
Storage Temperature		-40 to +85°C			
Package Dimensions		L54.0mm x W32mm x H7.4mm			

Mechanical Dimensions



Ordering Information

CCWDM	S	<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
		C = CWDM Grid	04 = 4 Channel 08 = 8 Channel	M = Mux D = Demux	270 = 1270nm 271 = 1271nm . . . 571 = 1571nm	1 = Bare Fiber 2 = 900um Jacket	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