

16 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

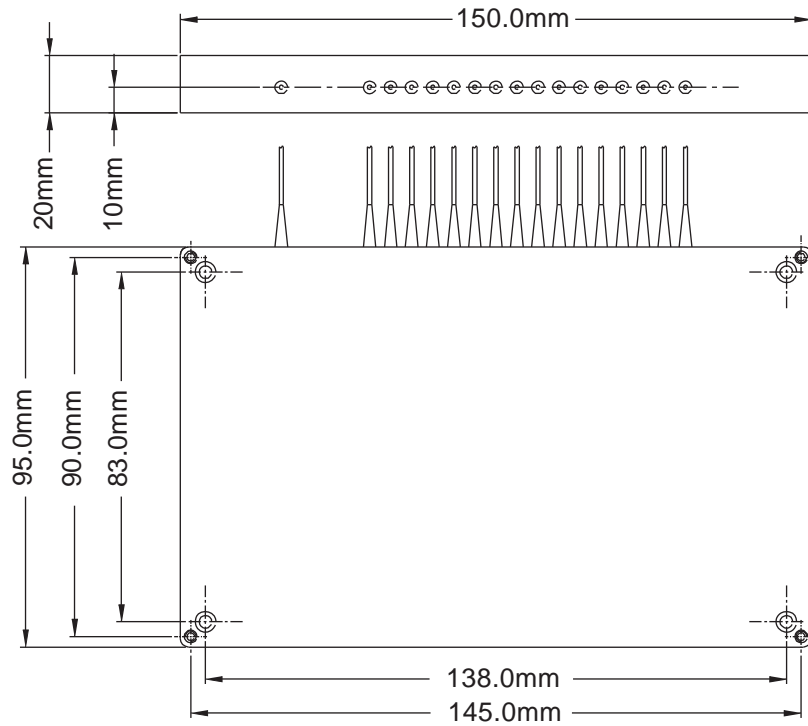
Applications

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

Performance Specifications

Parameter	Specifications	
	Mux	Demux
Operating Wavelength	1310nm,1330nm,1350nm,1370nm,1390nm,1410nm,1430nm,1450nm, 1470nm,1490nm,1510nm,1530nm,1550nm,1570nm,1590nm,1610nm	
Center Wavelength Accuracy	± 0.5nm	
Channel Spacing	20GHz	
Channel Passband (@-0.5dB bandwidth)	≥ 13nm	
Insertion Loss	≤ 3.5dB	≤ 3.5dB
Channel Uniformity	≤ 1.0dB	≤ 1.0dB
Channel Ripple	≤ 0.5dB	≤ 0.5dB
Isolation @Add/Drop Channel	Adjacent	N/A
	Non-adjacent	N/A
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	L150nm x W95nm x H20nm	

Mechanical Dimensions



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"/>
	Channel Spacing	Number of Channel	Configuration	1st 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 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