



# 100GHz Single Channel OADM(2x2)

AC Photonics' 100GHz Dense Wavelength Division Multiplexer (DWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add and drop at the ITU wavelengths. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. It can be used for wavelength add/drop in telecommunication network system. All AC Photonics' products are Telcordia qualification tested.



## Features

- 100GHz ITU Channel Spacing
- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

## Applications

- Channel Add / Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- CATV Fiberoptic System

## Performance Specifications

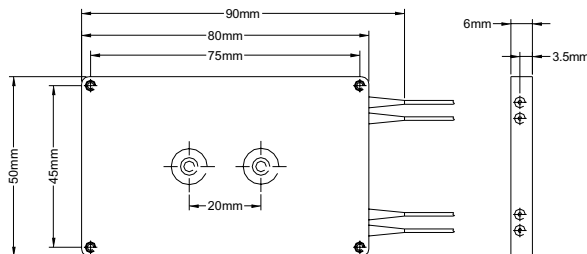
Parameter	MUX	DEMUX
Channel Wavelength (nm)	1530.33 ~ 1560.61 (21~ 59 ITUgrid)	
Center Wavelength Accuracy (nm)	±0.05	
Minimum Channel Spacing (GHz)	100	
Channel Passband (@-0.5dB bandwidth) (nm)	≥0.22	
Insertion Loss (dB)	Add / Drop Ch.	≤ 1.2
	Express Ch.	≤ 1.0
Add / Drop Channel Ripple (dB)	≤ 0.3	
Isolation @Add/Drop Channel (dB)	Adjacent	N/A
	Non-adjacent	N/A
Express Channel Isolation (dB)	≥ 25	
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) (Input to add, Output to drop, add to drop)	≥50	
Return Loss (dB)	≥45	
Power Handling (mW)	300	
Operating Temperature (°C)	0 ~+70	
Storage Temperature (°C)	-40 ~+85	
Dimensions (mm)	L80 x W50 x H6	

Specifications may change without notice.

## Ordering Information

OADM	<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	1st ITU Channel	Pigtail Style	Fiber Length	In/Out Connector
	1=100GHz	01=1 Channel . .	C21=1560.61nm C22=1559.79nm C23=1558.98nm	1=Bare Fiber 2=900um Jacket 3=3mm Cable	1 = 1m 2=2 m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

## Package Dimensions



## Spectral Chart

