

# CWDM-A2A8xxLCR-B Series

## Add/Drop Mux Coarse Wavelength Division Multiplexing (CWDM)

### 1 Channel with E/W Lines



CWDM-A2A857LCR-B

### Features

- Increase bandwidth on existing fiber infrastructure
- Alleviate fiber exhaustion
- Transmit multiple protocols over an existing duplex fiber link by combining the fiber outputs of multiple media converters
- Provide scalable bandwidth of up to 10 Gbps per channel over existing fiber links
- Plug-and-Play, no configuration of CWDM components
- Use existing standard optical ports on switches and routers
  - Utilize Optical Line Converter as transponder
- 1 RU rack mountable chassis to hold 2 CWDM modules

Transition Networks CWDM products uses a passive technology that allows for any protocol to be transported over the fiber link, as long as it is at a specific wavelength. Transition Networks' CWDM Mux/Demux and Add/Drop Mux can provide a simple and affordable method to maximize existing fiber capacity with little or no increased cost.

### Specifications

Channel Wavelength	ITU & ITU+1 (1260-1620nm)	
Center Wavelength Accuracy	+/- 0.5 (nm)	
Channel Spacing	20 (nm)	
Channel Passband bandwidth (nm)	+/- 6.5 (nm)	
Insertion Loss 1-Channel	In-Drop	< 0.9 dB
	Add-Out	< 0.9 dB
	In-Out	< 0.8 dB
Channel Ripple	0.3dB	
Isolation Adjacent	> 30dB	
Non-Adjacent	> 40dB	
Insertion Loss Temperature Sensitivity	<= 0.005dB/°C	
Wavelength Temperature Shifting	<0.002 nm/°C	
Polarization Dependent Loss	<0.1dB	
Polarization Mode Dispersion	<0.1 PS	
Directivity	>50dB	
Return Loss	>50 dB	
Mounting	19" Rack Mount	
Dimensions	Width: 8.46" [215 mm] Depth: 7.68" [195 mm] Height: 1.24" [31.5 mm]	
	With Chassis Width: 17.44" [443 mm] Depth: 9.84" [250 mm] Height: 1.73" [44 mm]	
Environment	Operating: -20°C to +70°C Storage: -40°C to +85°C	
Weight	0.88 lbs [0.40 kg]	
Warranty	Lifetime	



### Ordering Information

#### Add/Drop Mux

##### **CWDM-A2A831LCR-B**

1 Channel 1310nm port with E/W lines

##### **CWDM-A2A833LCR-B**

1 Channel 1330nm port with E/W lines

##### **CWDM-A2A835LCR-B**

1 Channel 1350nm port with E/W lines

##### **CWDM-A2A837LCR-B**

1 Channel 1370nm port with E/W lines

##### **CWDM-A2A839LCR-B**

1 Channel 1390nm port with E/W lines

##### **CWDM-A2A841LCR-B**

1 Channel 1410nm port with E/W lines

##### **CWDM-A2A843LCR-B**

1 Channel 1430nm port with E/W lines

##### **CWDM-A2A845LCR-B**

1 Channel 1450nm port with E/W lines

##### **CWDM-A2A847LCR-B**

1 Channel 1470nm port with E/W lines

##### **CWDM-A2A849LCR-B**

1 Channel 1490nm port with E/W lines

##### **CWDM-A2A851LCR-B**

1 Channel 1510nm port with E/W lines

##### **CWDM-A2A853LCR-B**

1 Channel 1530nm port with E/W lines

##### **CWDM-A2A855LCR-B**

1 Channel 1550nm port with E/W lines

##### **CWDM-A2A857LCR-B**

1 Channel 1570nm port with E/W lines

##### **CWDM-A2A859LCR-B**

1 Channel 1590nm port with E/W lines

##### **CWDM-A2A861LCR-B**

1 Channel 1610nm port with E/W lines

#### Optional Accessories (sold separately)

##### **CWDM-MB19R2**

19" Rack Mount chassis, 1RU High, holds 2 CWDM Modules

Note: 1310nm channel is wideband (+/- 50nm)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Lantronix](#):

[CWDM-A2A831LCR-B](#) [CWDM-A2A833LCR-B](#) [CWDM-A2A835LCR-B](#) [CWDM-A2A837LCR-B](#) [CWDM-A2A839LCR-B](#)  
[CWDM-A2A841LCR-B](#) [CWDM-A2A843LCR-B](#) [CWDM-A2A845LCR-B](#) [CWDM-A2A847LCR-B](#) [CWDM-A2A849LCR-B](#)  
[CWDM-A2A851LCR-B](#) [CWDM-A2A853LCR-B](#) [CWDM-A2A855LCR-B](#) [CWDM-A2A857LCR-B](#) [CWDM-A2A859LCR-B](#)  
[CWDM-A2A861LCR-B](#) [CWDM-A2A831LCR-B-L1Y1](#) [CWDM-A2A831LCR-B-L1Y3](#) [CWDM-A2A831LCR-B-L1Y5](#)  
[CWDM-A2A831LCR-B-L2Y1](#) [CWDM-A2A831LCR-B-L2Y3](#) [CWDM-A2A831LCR-B-L2Y5](#) [CWDM-A2A833LCR-B-L1Y1](#)  
[CWDM-A2A833LCR-B-L1Y3](#) [CWDM-A2A833LCR-B-L1Y5](#) [CWDM-A2A833LCR-B-L2Y1](#) [CWDM-A2A833LCR-B-L2Y3](#)  
[CWDM-A2A833LCR-B-L2Y5](#) [CWDM-A2A835LCR-B-L1Y1](#) [CWDM-A2A835LCR-B-L1Y3](#) [CWDM-A2A835LCR-B-L1Y5](#)  
[CWDM-A2A835LCR-B-L2Y1](#) [CWDM-A2A835LCR-B-L2Y3](#) [CWDM-A2A835LCR-B-L2Y5](#) [CWDM-A2A837LCR-B-L1Y1](#)  
[CWDM-A2A837LCR-B-L1Y3](#) [CWDM-A2A837LCR-B-L1Y5](#) [CWDM-A2A837LCR-B-L2Y1](#) [CWDM-A2A837LCR-B-L2Y3](#)  
[CWDM-A2A837LCR-B-L2Y5](#) [CWDM-A2A839LCR-B-L1Y1](#) [CWDM-A2A839LCR-B-L1Y3](#) [CWDM-A2A839LCR-B-L1Y5](#)  
[CWDM-A2A839LCR-B-L2Y1](#) [CWDM-A2A839LCR-B-L2Y3](#) [CWDM-A2A839LCR-B-L2Y5](#) [CWDM-A2A841LCR-B-L1Y1](#)  
[CWDM-A2A841LCR-B-L1Y3](#) [CWDM-A2A841LCR-B-L1Y5](#) [CWDM-A2A841LCR-B-L2Y1](#) [CWDM-A2A841LCR-B-L2Y3](#)  
[CWDM-A2A841LCR-B-L2Y5](#) [CWDM-A2A843LCR-B-L1Y1](#) [CWDM-A2A843LCR-B-L1Y3](#) [CWDM-A2A843LCR-B-L1Y5](#)  
[CWDM-A2A843LCR-B-L2Y1](#) [CWDM-A2A843LCR-B-L2Y3](#) [CWDM-A2A843LCR-B-L2Y5](#) [CWDM-A2A845LCR-B-L1Y1](#)  
[CWDM-A2A845LCR-B-L1Y3](#) [CWDM-A2A845LCR-B-L1Y5](#) [CWDM-A2A845LCR-B-L2Y1](#) [CWDM-A2A845LCR-B-L2Y3](#)  
[CWDM-A2A845LCR-B-L2Y5](#) [CWDM-A2A847LCR-B-L1Y1](#) [CWDM-A2A847LCR-B-L1Y3](#) [CWDM-A2A847LCR-B-L1Y5](#)  
[CWDM-A2A847LCR-B-L2Y1](#) [CWDM-A2A847LCR-B-L2Y3](#) [CWDM-A2A847LCR-B-L2Y5](#) [CWDM-A2A849LCR-B-L1Y1](#)  
[CWDM-A2A849LCR-B-L1Y3](#) [CWDM-A2A849LCR-B-L1Y5](#) [CWDM-A2A849LCR-B-L2Y1](#) [CWDM-A2A849LCR-B-L2Y3](#)  
[CWDM-A2A849LCR-B-L2Y5](#) [CWDM-A2A851LCR-B-L1Y1](#) [CWDM-A2A851LCR-B-L1Y3](#) [CWDM-A2A851LCR-B-L1Y5](#)  
[CWDM-A2A851LCR-B-L2Y1](#) [CWDM-A2A851LCR-B-L2Y3](#) [CWDM-A2A851LCR-B-L2Y5](#) [CWDM-A2A853LCR-B-L1Y1](#)  
[CWDM-A2A853LCR-B-L1Y3](#) [CWDM-A2A853LCR-B-L1Y5](#) [CWDM-A2A853LCR-B-L2Y1](#) [CWDM-A2A853LCR-B-L2Y3](#)  
[CWDM-A2A853LCR-B-L2Y5](#) [CWDM-A2A855LCR-B-L1Y1](#) [CWDM-A2A855LCR-B-L1Y3](#) [CWDM-A2A855LCR-B-L1Y5](#)  
[CWDM-A2A855LCR-B-L2Y1](#) [CWDM-A2A855LCR-B-L2Y3](#) [CWDM-A2A855LCR-B-L2Y5](#) [CWDM-A2A857LCR-B-L1Y1](#)  
[CWDM-A2A857LCR-B-L1Y3](#) [CWDM-A2A857LCR-B-L1Y5](#) [CWDM-A2A857LCR-B-L2Y1](#) [CWDM-A2A857LCR-B-L2Y3](#)  
[CWDM-A2A857LCR-B-L2Y5](#)