

CWDM-A2A8xxLCR-B Series

Add/Drop Mux Coarse Wavelength Division Multiplexing (CWDM)

1 Channel with E/W Lines



CWDM-A2A857LCR-B

Transition Networks CWDM products use 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.

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

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)