

CWDM-A2A8xxLCR Series

Add/Drop Mux Coarse Wavelength Division Multiplexing (CWDM)

1 Channel With E/W Lines



CWDM-A2A841LCR

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

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

Operating Wavelength	1303.5nm ~ 1616.5nm
Center Wavelength (λ_c)	1470nm ~ 1610nm
Add/Drop Ch. Max Insertion Loss*	1.1 dB *Note: All Insertion Loss values include one connector pair
CWDM Channel Spacing	20nm
CWDM Channel Passband	-5.5nm < λ_c < +7.5nm
Passband Ripple	0.5 dB (max)
Adjacent Channel Isolation	30 dB (min)
Non-adjacent Channel Isolation	40 dB (min)
Directivity	50 dB (min)
Return Loss	45 dB (min)
Polarization Dependent Loss (PDL)	0.2 dB (max)
Optical Operating Power	300 mW (max)
Fiber Type	Corning SMF-28
Dimensions	Module Rack Width: 8.3" [212 mm] Depth: 7.6" [192 mm] Height: 1.7" [43 mm] Mount Bracket Width: 18.9" [481 mm] Depth: 1.6" [40 mm] Height: 1.7" [44 mm]
Environment	Operating: 0°C to +70°C Storage: -40°C to +85°C
Warranty	Lifetime



Ordering Information

Add/Drop Mux

CWDM-A2A831LCR
1 Channel 1310 port with E/W lines

CWDM-A2A833LCR
1 Channel 1330 port with E/W lines

CWDM-A2A835LCR
1 Channel 1350 port with E/W lines

CWDM-A2A837LCR
1 Channel 1370 port with E/W lines

CWDM-A2A839LCR
1 Channel 1390 port with E/W lines

CWDM-A2A841LCR
1 Channel 1410 port with E/W lines

CWDM-A2A843LCR
1 Channel 1430 port with E/W lines

CWDM-A2A845LCR
1 Channel 1450 port with E/W lines

CWDM-A2A847LCR
1 Channel 1470 port with E/W lines

CWDM-A2A849LCR
1 Channel 1490 port with E/W lines

CWDM-A2A851LCR
1 Channel 1510 port with E/W lines

CWDM-A2A853LCR
1 Channel 1530 port with E/W lines

CWDM-A2A855LCR
1 Channel 1550 port with E/W lines

CWDM-A2A857LCR
1 Channel 1570 port with E/W lines

CWDM-A2A859LCR
1 Channel 1590 port with E/W lines

CWDM-A2A861LCR
1 Channel 1610 port with E/W lines

Optional Accessories (sold separately)

CWDM-MB19R1
19" Rack Mount Bracket, 1RU High, holds 2 CWDM Modules

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

Other channel configurations may be available upon request.