

# CWDM-M947LCR-B

## Coarse Wavelength Division Multiplexing (CWDM)

### 8 Channels + OSC Duplex LC



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.

### 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 (nm)
Center Wavelength Accuracy	+/-0.5 (nm)
Channel Spacing	20 (nm)
Channel Passband bandwidth (nm)	+/-6.5 (nm)
Insertion Loss with connector	<= 2.5dB
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	0.9 lbs [0.41 kg]
Warranty	Lifetime

### Ordering Information

**CWDM-M947LCR-B**  
8 Channels + OSC, 1470-1610nm, Duplex LC

Optional Accessories (sold separately)

**CWDM-MB19R2**  
19" Rack Mount chassis, 1RU High, holds 2 CWDM Modules