

Indoor 18CH Simplex CWDM MUX BOX SPECIFICATION
Single Fiber CWDM Indoor unit
CLCWMUX18CHS-LF



Description

CCWDM 18 channel 1271-1611nm Simplex MUX BOX 1U rack type with LC/UPC connectors.
Compact Coarse Wavelength Division Multiplexer (CCWDM) is a mini CWDM module with a compact case size design and features a free-space structure. It multiplexes CWDM wavelengths (from 1271 to 1611) to a single fiber.

Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path
- Access Network

Applications

- WDM Network
- Telecommunication
- Cellular Application

Compliance

- Compliant with ITU-T G694.2
- Telcordia GR-63
- Compliant with CE, RoHS

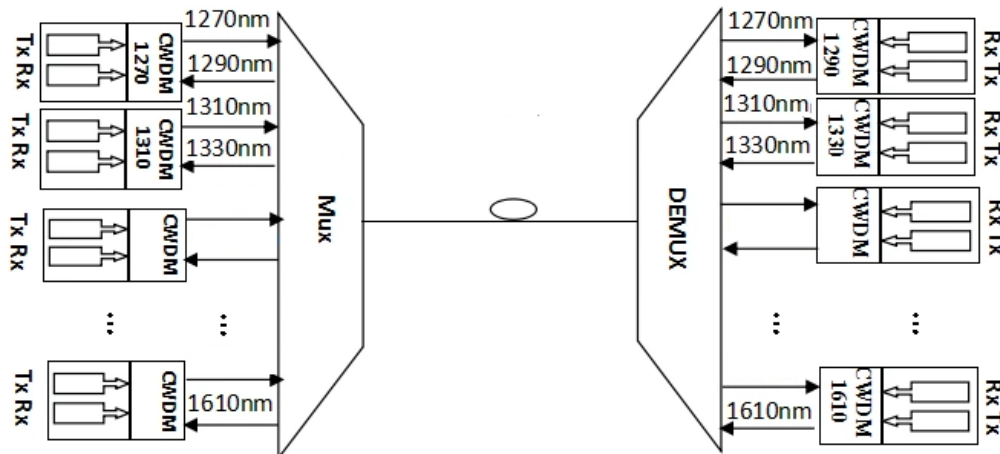
Ordering Information:

Part Number	Description	Note
CLCWMUX18CHS-LF	18CH CWDM MUX Single Fiber, LC/UPC, 1U Tx/Rx = 1271/1291; 1311/1331; 1351/1371; 1391/1411; 1431/1451; 1471/1491; 1511/1531; 1551/1571; 1591/1611 nm.	

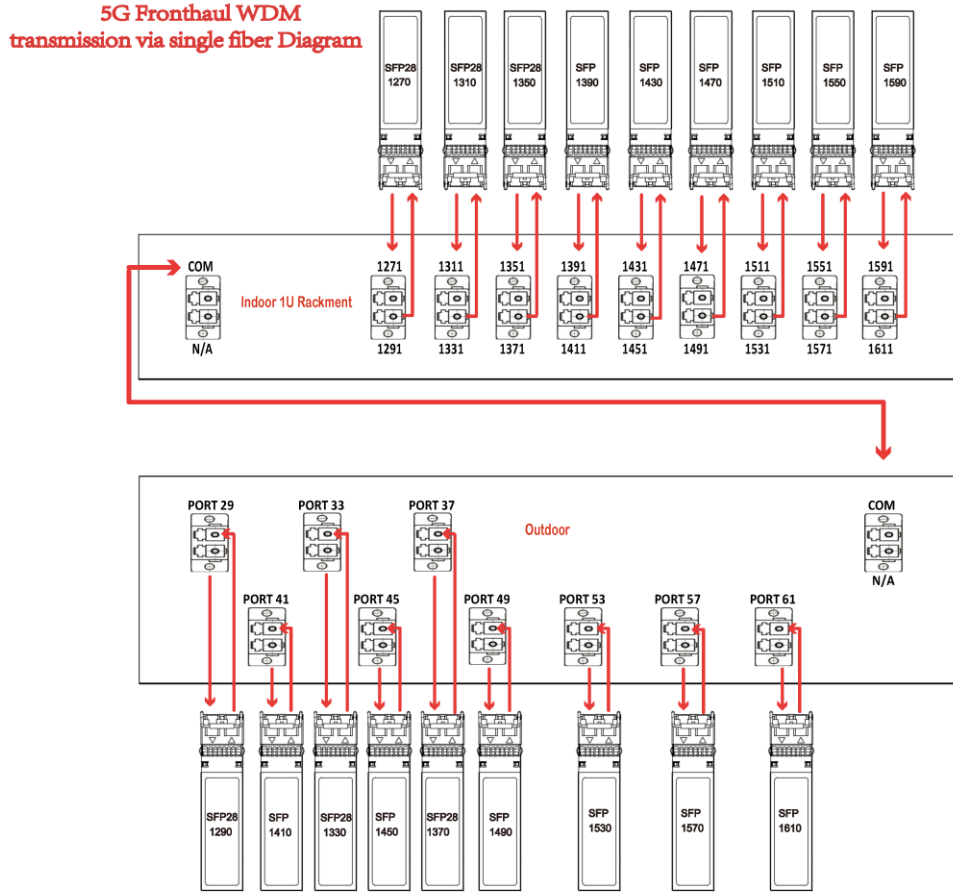
Performance Specifications

Operating Wavelength (nm)	CCWDM 18CH (1271~1611nm)	
Channel Spacing	20nm	
Channel Passband (@-0.5dB bandwidth (nm))	CWL+/-6.5nm	
Insertion Loss (dB)	≤ 3.0	
Channel Ripple (dB)	≤ 0.5	
PDL (dB)	< 0.2	
PDM (ps)	< 0.2	
Isolation	Adjacent (dB)	≥ 30
	Non-adjacent (dB)	≥ 45
Directivity (dB)	> 50	
Return Loss (dB)	> 45	
Fiber Type	SMF- G657A1	
Connector	LC/ UPC	
Maximum Power Handling (mW)	500	
Operating Temperature	- 5°C~ +70°C	
Storage Temperature	- 40°C~ +85°C	
Dimension (mm)	Indoor 1U rack 19inch	
Protection	IP25	
Casing material	Metal, powder-coated.	
Compatibility	Compatibility requirements for 3G, 4G, and 5G devices from Nokia, Ericsson, Huawei, and ZTE.	

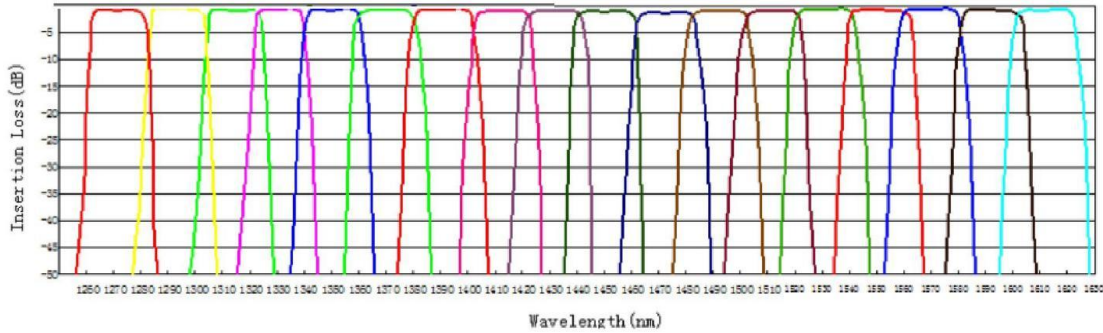
Typical Application Diagram



Connection instructions



Spectral Diagram (Typical of 18 channel CWDM)



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