

6 Channels Single Fiber 1471-1571nm CWDM Mux Demux, Side-B

ABS Pigtailed Module, LC/UPC
Easy to Put in Splice Closure/Distribution Box for Outdoor Application



Overview

CWDM technology provides the flexibility to increase capacity of existing fiber infrastructure by enabling multiple channels/wavelengths over the same fiber cabling. Each channel carries data independently from each other, allowing network designers to transport different data rates.

Highlights

- Based on high quality TFF technology
- Low insertion loss
- Industrial temperature -40 °C~+ 85 °C
- Following 100Gbps IEEE 802.3ba Standard
- Passive, no electric power required (MTBF ca. 500 years)
- Combines/separates 6 channels with a CWDM spacing

Technical Data

| Parameter | Value |
|--------------------------------|--|
| Center Wavelength | 1471nm, 1491nm, 1511nm, 1531nm, 1551nm, 1571nm |
| Channel Spacing | 20nm |
| Channel Passband | ± 6.5nm |
| Insertion Loss (Passband) | ≤ 2.25dB |
| Adjacent Channel Isolation | ≥ 30dB |
| Non-adjacent Channel Isolation | ≥ 40dB |
| Technology | TFF (Thin Film Filter) |
| Passband Ripple | ≤ 0.3dB |
| Directivity | ≥ 50dB |
| Return Loss | ≥ 45dB |
| PDL | ≤ 0.2dB |
| PMD | ≤ 0.2ps |
| Power Handling | ≤ 300mW |
| Operating Temperature | -40 °C~+ 85 °C |
| Storage Temperature | -40 °C~+ 85 °C |
| Fiber Type | G657 A1 |
| Connector Type | LC/UPC |
| Pigtail Type | 0.9mm loose tube |
| Fiber Length | 1.00±0.05m |
| Warranty | 3 years warranty with free technical support |
| Dimensions (Hx Wx D) | 0.71"x 3.15"x 4.72" (18x 80x 120mm) |

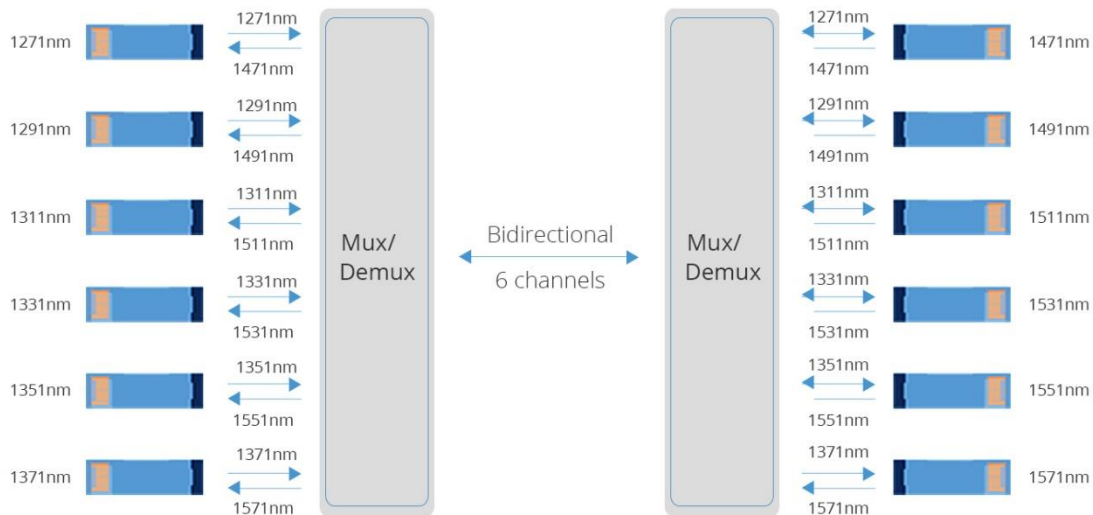
Notes:

1.Specified with connectors and adapters.

Product Highlights

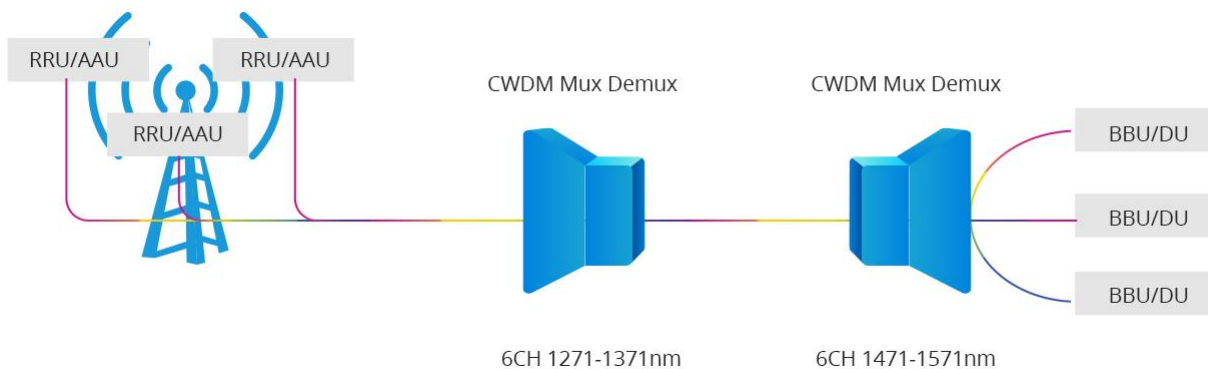
Single Fiber BIDI Transmission

CWDM Mux Demux can multiplex different wavelengths into one fiber to save fiber resources.

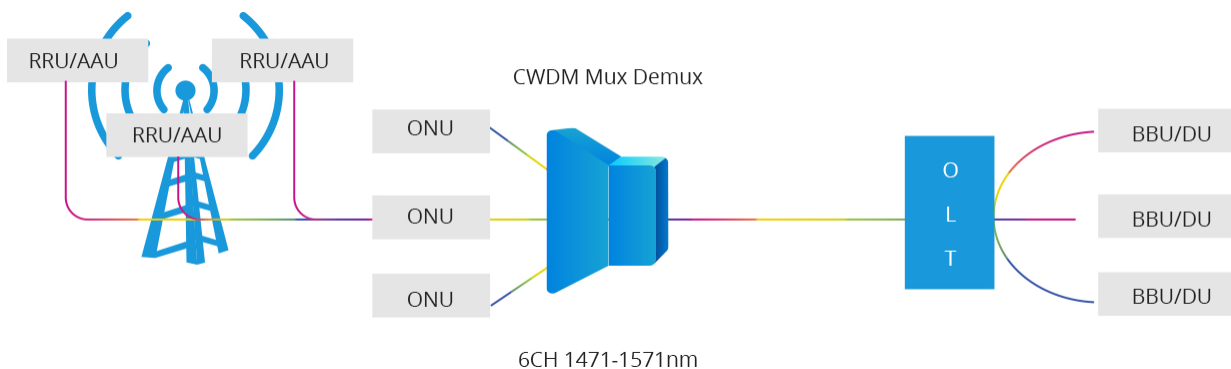


5G Network Fronthaul Application

1. Point-to-Point WDM Network

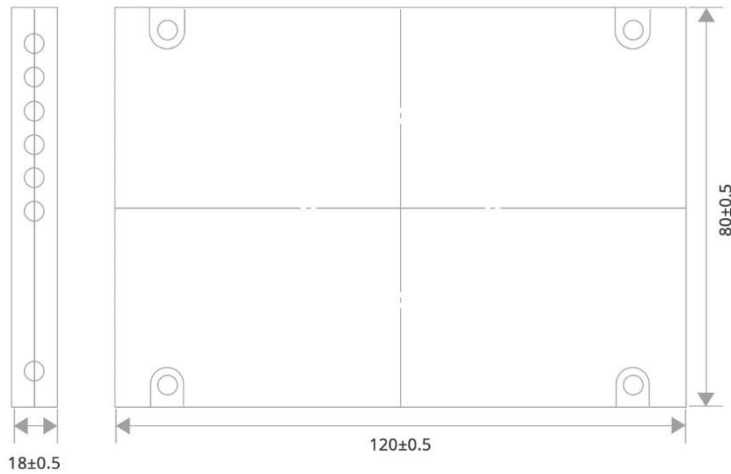


2. WDM-PON Network



Layout and Dimensions

The dimensions of CWDM Mux Demux is 18x 80x 120mm, which enables multiple use without taking up any extra space and is suitable for different cabinets to meet diverse needs.



Dimensions (HxWxD): 18x 80x 120mm

Ordering Information

Mux Demux & OADM

| | | |
|----------------|---------------------------------|---|
| | FMU-D402160M3 | 40 Channels 100GHz C21-C60, with 1310nm and Monitor Port, 3.5dB Typical IL, LC/UPC, Dual Fiber DWDM Mux Demux, 1U Rack Mount #35887 |
| DWDM MUX DEMUX | M6200-D2160M | 40 Channels 100GHz C21-C60 Dual Fiber DWDM Mux and Demux with Monitor Port, Pluggable Module, LC/UPC, Integrated with M6200 Series Managed Chassis #120424 |
| | FMU-D162136EM3 | 16 Channels 100GHz C21-C36, with Monitor, Expansion and 1310nm Port, LC/UPC, Dual Fiber DWDM Mux Demux, 1U Rack Mount #72430 |
| | FMU-MD085360EM3 | CWDM/DWDM Hybrid Solution, 8 Channels 100GHz C53-C60, with Monitor, Expansion and 1310nm Port, LC/UPC, Dual Fiber DWDM Mux Demux, FMU Plug-in Module #72433 |
| CWDM MUX DEMUX | FMU-C182761M | 18 Channels 1270-1610nm, with Monitor Port, LC/UPC, Dual Fiber CWDM Mux Demux, 1U Rack Mount #33489 |
| | FMU-MC084761EM | 8 Channels 1470-1610nm, with Monitor and Expansion Port, LC/UPC, Dual Fiber, Low Insertion Loss CWDM Mux Demux, FMU Plug-in Module #78163 |
| LWDM MUX DEMUX | ABS-L042728B | 4 Channels 1273.55-1286.66nm, Single Fiber LAN-WDM Mux Demux, Side-B, ABS Pigtailed Module, LC/UPC#97783 |
| | ABS-C064757B | 6 Channels 1471-1571nm, Single Fiber CWDM Mux Demux, Side-B, ABS Pigtailed Module, LC/UPC#97785 |
| OADM | DOADM-DF | Customized Dual Fiber & Single Fiber DWDM OADM #70427 |
| | COADM-DF | Customized Dual Fiber & Single Fiber CWDM OADM #70425 |
| Chassis | FMU-1UFMX-N | FMU 2-Slot 1U 19" Rack Chassis Unloaded, holds up to 2 Units FMU Plug-in Module #30408 |
| | FUD-1UFMX-N | FUD 4-Slot 1U 19" Rack Chassis Unloaded, holds up to 4 Units FUD Plug-in Module #106578 |

TRANSPONDERS & MUXPONDERS

| | | |
|-----------|------------------------------|---|
| 8x 200G | M6800-TSP16 | 16x 100G QSFP28 to 8x 200G CFP2 OTN Managed Transport Platform#111053 |
| 100G/200G | M6500-TMXP5 | 2x 100G QSFP28/4x 40G QSFP+ to 1x 200G CFP2 Transponder/Muxponder#111049 |
| 10G | M6200-OEO10G | 5 Channels WDM Transponder (Converter), 10 SFP/SFP+ Slots#107365 |
| Chassis | M6500-CH2U | 2U Managed Chassis Unloaded Platform, Supports 2x 200G Transponder/Muxponder #96454 |
| | M6500-CH5U | 5U Managed Chassis Unloaded Platform, Supports 6x 200G Transponder/Muxponder #111050 |
| | M6200-CH2U | 2U Managed Chassis Unloaded Platform, Supports 7x Mux/DEMUX/EDFA/OEO/OLP/DCM Cards #107371 |
| | M6200-CH5U | 5U Managed Chassis Unloaded Platform, Supports 15x MUX/DEMUX/EDFA/OEO/OLP/DCM Cards #111052 |

OPEN LINE SYSTEM

| | | |
|-------------------------|------------------------------|---|
| Amplifiers | M6200-25PA | 25dB Gain DWDM EDFA Pre-Amplifier, 16dBm Output#107367 |
| | M6200-20BA | 20dBm Output DWDM EDFA Booster Amplifier, 16dB Gain#107366 |
| Dispersion Compensation | M6200-DCM40 | 40KM DCF-based Passive Dispersion Compensation Module#107370 |
| | M6200-DCM80 | 80KM DCF-based Passive Dispersion Compensation Module#119071 |
| Line Protection | M6200-OLP2 | 1+1 Optical Line Protection Switch (OLP)#107368 |
| Red/Blue Filter | M6200-RB | 1x2 Single Fiber DWDM Red/Blue Filter#107369 |
| VOA Units | M6200-SFPVOA | SFP Variable Optical Attenuator Module#107373 |
| | AT-M-LCU | Fixed Fiber Optic Attenuators #70009 |
| Chassis | M6200-CH2U | 2U Managed Chassis Unloaded Platform, Supports 7x Mux/DEMUX/EDFA/OEO/OLP/DCM Cards #107371 |
| | M6200-CH5U | 5U Managed Chassis Unloaded Platform, Supports 15x MUX/DEMUX/EDFA/OEO/OLP/DCM Cards #111052 |

WDM TRANSCEIVERS

| | | |
|----------------|----------------------------------|---|
| 100G/200G CFP2 | M-CFP2-DCO | C14 1566.31nm 100G/200G Tunable CFP2-DCO Coherent Transceiver, up to 1000km #120128 |
| | DWDM-SFP25G-10 | 25G DWDM SFP28 100GHz 1563.86nm 10km DOM LC SMF Optical Transceiver Module #87000 |
| 25G SFP28 | CWDM-SFP25G-40S | 25G 1270nm CWDM SFP28 40km DOM LC SMF Optical Transceiver Module #100112 |
| | CWDM-SFP25G-10SP | 25G 1270nm CWDM SFP28 10km DOM LC SMF Optical Transceiver Module #76003 |
| | LWDM-SFP25G-40 | 25G LWDM SFP28 1286.66nm 40km DOM LC SMF Optical Transceiver Module #93786 |
| 16G/8G FC | DWDM-SFP16G-40 | Customized 16G DWDM SFP+ C20-C61 100GHz 40km DDM LC SMF Transceiver Module#73084 |
| | DWDM-SFP16GH-40 | Customized 16G DWDM SFP+ 50GHz 40km DDM LC SMF Transceiver Module #73085 |
| | CWDM-SFP16G-40 | Customized 16G Fiber Channel CWDM SFP+ 1470-1610nm 40km DDM LC SMF Transceiver Module #80765 |
| | DWDM-SFP10G-80 | 10G DWDM SFP+ 1559.79nm 80km DOM LC SMF Transceiver Module, Commercial Temperature#31237, Industrial Temperature#113562 |
| 10G SFP+ | DWDM-SFP10G-40 | 10G DWDM SFP+ 1560.61nm 40km DOM LC SMF Transceiver Module, Commercial Temperature#38731, Industrial Temperature#113511 |
| | DWDM-SFP10G-C | 10G DWDM C-band Tunable SFP+ 50GHz 80km DOM LC SMF Transceiver Module #69267 |
| | CWDM-SFP10G-80L | 10G CWDM SFP+ 1470nm 80km DOM LC SMF Transceiver Module #19367 |
| | CWDM-SFP10G-40S | 10G CWDM SFP+ 1270nm 40km DOM LC SMF Transceiver Module, Commercial Temperature#22168, Industrial Temperature#112392 |
| | DWDM-SFP1G-EZX | 1000BASE-DWDM SFP 100GHz 1563.86nm 100km DOM LC SMF Transceiver Module #54150 |
| 1G SFP | DWDM-SFP1G-ZX | 1000BASE-DWDM SFP 1563.86nm 80km DOM LC SMF Transceiver Module #47697 |
| | CWDM-SFP1G-EZX | 1000BASE-CWDM SFP 1270nm 120km DOM LC SMF Transceiver Module #102776 |
| | CWDM-SFP1G-ZX | 1000BASE-CWDM SFP 1270nm 80km DOM LC SMF Transceiver Module #33234 |

*Standard products are listed above. Customized specifications are available upon request.



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