Rack Mount CWDM Mux DeMux 1270nm to 1610nm, 2-18CH

Description

The GrowsFiber Rack Mount CWDM Mux DeMux is designed for multi-wavelength CWDM network applications. It is based on TFF technology and operates at 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. The Mux Type, Port Configuration (2-18CH Ports, 1310nm Port, Upgrade Port, Monitoring Port) and Adapter Type can be customized.

Features

➢ Low insertion loss

➢ High isolation

➢ Low polarization dependent loss

➢ Compact design

➢ Good channel-to-channel uniformity

➢ Wide operating wavelength range

➢ High reliability and high stability

➢ Telcordia GR-1209-CORE-2001 compliant

➢ Telcordia GR-1221-CORE-1999 compliant

➢ ITU-T G.694.2 compliant

➢ RoHS compliant

Applications

➢ Data Center Interconnect Network

➢ Metro Optical Transport Network

➢ Telecommunications Network

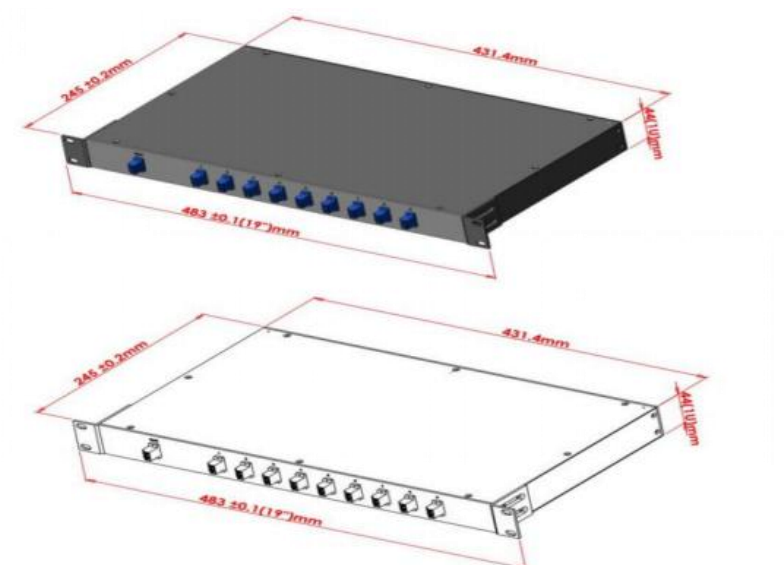# Rack Mount CWDM Mux DeMux 1270nm to 1610nm, 2-18CH

Specifications

Parameters	Channel Options				
Port Configuration	2CH	4CH	8CH	16CH	18CH
Center Wavelength (nm)	1270 to 1610				
Operating Wavelength (nm)	1260 to 1620				
Channel Space (nm)	20				
Channel Passband @0.5dB (nm)	ITU±6.5				
Channels IL (dB)	< 1.2	< 1.8	< 3.0	< 3.4	< 3.7
Link IL (Mux+Demux) (dB)	< 2.1	< 2.7	< 3.9	< 4.6	< 5.3
Adjacent Channels Isolation (dB)	> 30				
Non-Adjacent Isolation (dB)	> 45				
Directivity (dB)	> 50				
Return Loss (dB)	> 45				
Ripple (dB)	< 0.5				
PDL (dB)	< 0.2				
PMD (ps)	< 0.1				
Maximum Optical Power (mw)	300				
Operating Temperature (°C)	-5 to +75				
Storage Temperature (°C)	-40 to +85				
Package (mm) (L×W×H)	483×245×44				

Notes: An additional 0.3dB loss ought to be added per adapter.

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Mechanical Dimensions

Ordering Information

Part Number	Description
GFCWL2	Rack Mount CWDM, 2CH
GFCWL4	Rack Mount CWDM, 4CH
GFCWL8	Rack Mount CWDM, 8CH
GFCWL16	Rack Mount CWDM, 16CH
GFCWL18	Rack Mount CWDM, 18CH

Note: If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Mux Type	Mux, DeMux, Mux & DeMux
CWDM Channel Ports	1270nm to 1610nm (20nm Spacing)
Additional Ports	None, 1310nm Port, Upgrade Port, Monitoring Port
Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC