

# Rack Mount CWDM OADM 1270nm to 1610nm, 1-8CH

## Description

The GrowsFiber Rack Mount CWDM OADM is designed for optical add/drop multiplexing optical signals in 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 Port Configuration (1-8CH Add/Drop Ports) and Adapter Type can be customized.

## Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- 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

- Metro Optical Transport Network
- Telecommunications Network

# Rack Mount CWDM OADM

## 1270nm to 1610nm, 1-8CH

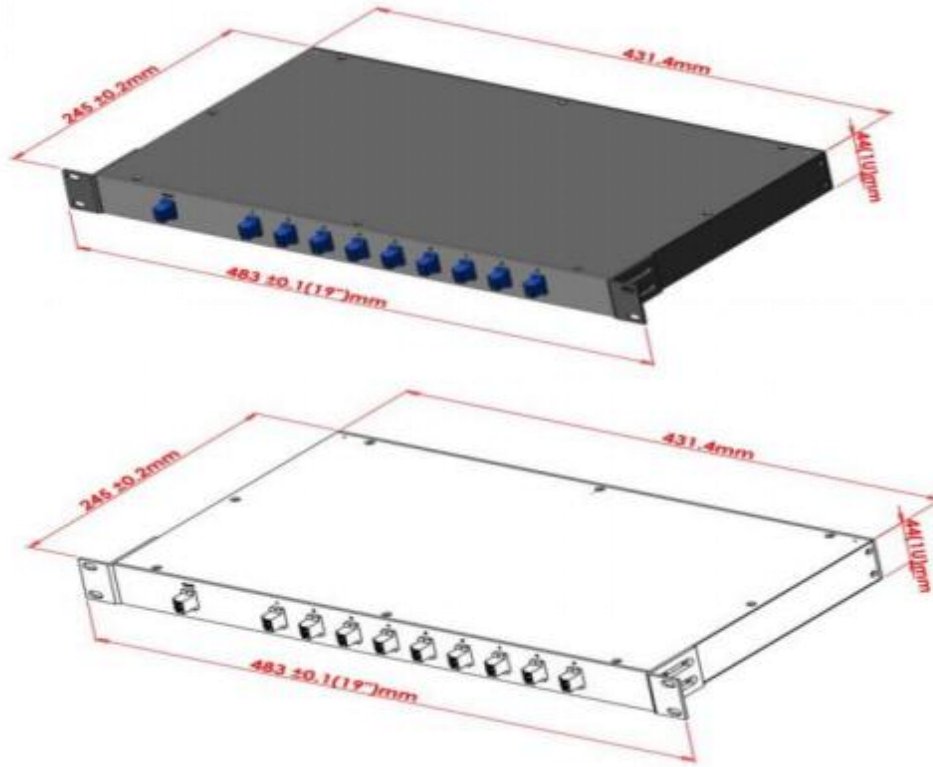
### Specifications

Parameters	Channel Options							
	1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Center Wavelength (nm)	1270 to 1610							
Operating Wavelength (nm)	1260 to 1620							
Channel Space (nm)	20							
Pass Band (nm)	ITU±6.5							
Add/Drop Channel IL (dB)	< 1.2	< 1.6	< 1.8	< 2.0	< 2.2	< 2.4	< 2.8	< 3.2
Input/Output Channel IL (dB)	< 1.0	< 1.6	< 1.8	< 2.2	< 3.2	< 3.4	< 3.8	< 4.0
Adjacent Channels Isolation (dB)	≥ 30							
Non-Adjacent Isolation (dB)	≥ 40							
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							

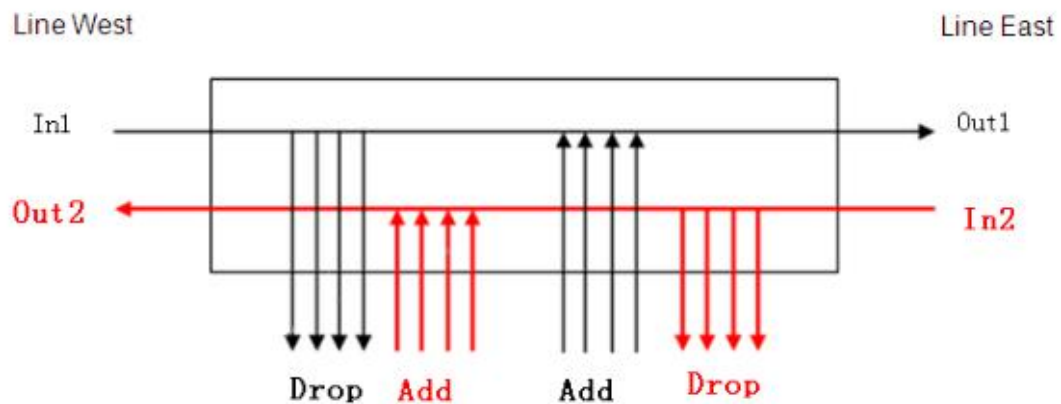
**Notes:** An additional 0.3dB loss ought to be added per adapter.

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## Mechanical Dimensions



## Structure Diagram



# Rack Mount CWDM OADM 1270nm to 1610nm, 1-8CH

## Ordering Information

Part Number	Description
GFCOR1	Rack Mount CWDM OADM, 1CH
GFCOR2	Rack Mount CWDM OADM, 2CH
GFCOR3	Rack Mount CWDM OADM, 3CH
GFCOR4	Rack Mount CWDM OADM, 4CH
GFCOR5	Rack Mount CWDM OADM, 5CH
GFCOR6	Rack Mount CWDM OADM, 6CH
GFCOR7	Rack Mount CWDM OADM, 7CH
GFCOR8	Rack Mount CWDM OADM, 8CH

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

Add/Drop Ports	1270nm to 1610nm (20nm Spacing)
Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC